SAFETY DATA SHEET (REACH) In accordance with Regulation (EC) No. 1907/2006 and Regulation (EU) No. 2020/878

In accord	ance with Regulation (ÈC)	No. 1907/2006 and Regulation (EU) No.	b. 2020/87	8		(Language:EN
	CAR REPAIR SYSTEM	STAR LACK BARNIZ HS 4050 PLU Code : 5009-001022	S			
Versio	n: 1 Date	e of issue: 31/08/2023				Date of printing: 31/08/2023
SECTIO	N 1: IDENTIFICATION O	F THE SUBSTANCE/MIXTURE AND	OF THE	COMPANY/UNDERTAK	NG	
1.1	PRODUCT IDENTIFI					
	Code : 5009-001022	UFI: CW94-TX8H-9T0Y-8C1J				
1.2	RELEVANT IDENTIF	FIED USES OF THE SUBSTANCE	OR MIX	TURE AND USES AD	<u>/ISED AGAINST:</u>	
	Professional uses (SU2	-				
	Uses advised agains This product is not reco "Intended or identified of	ommended for any use or sector of us	e (indust	rial, professional or consu	imer) other than those	previously listed as
	Restrictions on manu	<u>ufacture, placing on market and use</u>	e, accord	ling to Annex XVII of Re	egulation (EC) No. 1	907/2006:
1.3		UPPLIER OF THE SAFETY DATA	SHEET			
	CAR REPAIR SYSTE	M S.A. c/ José Muñoz 6 - 18320 Santa Fe - 0	Franada	Ε SΡΔÑΔ		
	Phone number: (+34) 9	95 8431792 - www.carrepairsystem.eเ	ı			
		ne person responsible for the Safe	ty Data S	Sheet:		
1.4	info@carrepairsystem.					
	(+34) 95 8431792 L-J 8	8:30-14 / 15-18 h. V 8:30-14:30 h.				
		al Poisons Information Service (NPIS) acist during normal hours.	- In Engla	and, Wales or Scotland: d	ial 111 - In N Ireland:	contact your local GP or
		<u> </u>				
SECTIO	N 2 : HAZARDS IDENTIF	FICATION	E .			
	information which woul data of the individual co <u>Classification in acco</u>	of assessing the risk, using the availa ld allow to apply interpolation or extra omponents in the mixture. ordance with Regulation (EU) No. 1 3:H226 Skin Irrit. 2:H315 Eye Irrit. 2:H	272/200	echniques, methods are τ <u>8~2021/849 (CLP):</u>	ised to classify risk as	ssessment based on the
	Danger class	Classification of the mixture	Cat.	Routes of exposure	Target organs	Effects
	Physicochemical:	Flam. Liq. 3:H226 c)	Cat.3	-	-	-
	Human health:	Skin Irrit. 2:H315 c) Eye Irrit. 2:H319 c)	Cat.2 Cat.2	Skin Eyes	Skin Eyes	Irritation Irritation
		Skin Sens. 1:H317 c)	Cat.1	Skin	Skin	Allergy
		STOT SE (narcosis) 3:H336	·	Inhalation	CNS	Narcosis
	Environment:	STOT RE 2:H373 c) Aquatic Chronic 3:H412 c)	Cat.2 Cat.3	Inhalation -	Hearing system	Damage -
			out.o			
	Full text of hazard state	ements mentioned is indicated in sect	ion 16.			
2.2		3 a range of percentages is used, the component, but below the maximum v		nd environmental hazards	describe the effects	of the highest
2.2	- Hazard statements:	1272/2008~2021/5		n the signal word WARNII).	NG in accordance with	າ Regulation (EU) No.
	H226	Flammable liquid and vapour.	no three	the prolonged or the state	ovposure if inteled	
	H373 H319	May cause damage to hearing orga Causes serious eye irritation.	ແມ່ຈ ແມ່ງດີບໍ່ໃ	in proioriged or repeated	exposure il innaled.	
	H315	Causes skin irritation.				
	H336 H317	May cause drowsiness or dizziness May cause an allergic skin reaction				
	H412	Harmful to aquatic life with long las		ts.		
	- Precautionary state		operis-	non flomes and the state	ition oppress No	ling
	P210 P261	Keep away from heat, hot surfaces, Avoid breathing vapours.	sparks, c	ppen flames and other ign	nion sources. No smo	iking.
	P271	Use only outdoors or in a well-ventil				
	P280	Wear protective gloves, clothing and If skin irritation or rash occurs: Get r			uate ventilation wear i	espiratory protection.
	P333+P313 P501	Dispose of contents/container to	neulcal a			
	- Supplementary stat					

- Supplementary statements:

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	CAR REPAIR SYSTEM	STAR LACK BARNIZ HS 4050 PLUS Code : 5009-001022	
/ersion:	1 Da	ate of issue: 31/08/2023	Date of printing: 31/08/202
	n-butyl acetate Xylene (mixture of is 2-methoxy-1-methyle Heptan-2-one <u>Other sensitizing c</u> a	ethyl acetate	
2.3	OTHER HAZARDS Hazards which do no - Other physicoche Vapours may form v - Other adverse hu No other relevant ad - Other negative er	binot result in classification but which may contribute to the overall hazards of the m mical hazards: with air a mixture potentially flammable or explosive. <u>man health effects:</u> verse effects are known. <u>nvironmental effects:</u> postances that fulfil the PBT/vPvB criteria.	ixture:
		ig properties. of contain substances with endocrine disrupting properties identified or under eva	aluation.
	•	NFORMATION ON INGREDIENTS	
3.2	SUBSTANCES: Not applicable (mixtu MIXTURES:		
	This product is a mix <u>Chemical description</u> Mixture of chemical s <u>HAZARDOUS ING</u> Substances taking particular 30 < C < 40 %	on: substances.	REACH / ATP01
=	5 < C ≤ 10 %	Xylene (mixture of isomers) CAS: 1330-20-7, EC: 215-535-7, REACH: 01-2119488216-32 CLP: Danger: Flam. Liq. 3:H226 Acute Tox. (inh.) 4:H332 (ATE=11000 mg/m3) Acute Tox. (skin) 4:H312 (ATE=1700 mg/kg) Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335 STOT RE 2:H373 Asp. Tox. 1:H304 Aquatic Chronic 3:H412	Autoclassified REACH
	1 < C ≤ 3 %	2-methoxy-1-methylethyl acetate CAS: 108-65-6, EC: 203-603-9, REACH: 01-2119475791-29 CLP: Warning: Flam. Liq. 3:H226 STOT SE (narcosis) 3:H336	REACH
=	1 < C ≤ 3 %	Butylglycol acetate CAS: 112-07-2, EC: 203-933-3, REACH: 01-2119475112-47 CLP: Warning: Acute Tox. (inh.) 4:H332 (ATE=11000 mg/m3) Acute Tox. (skin) 4:H312 (ATE=1480 mg/kg) Acute Tox. (oral) 4:H302 (ATE=1880 mg/kg)	REACH
	1 < C ≤ 3 %	Heptan-2-one CAS: 110-43-0, EC: 203-767-1, REACH: 01-2119902391-49 CLP: Warning: Flam. Liq. 3:H226 Acute Tox. (inh.) 4:H332 (ATE=16700 mg/m3) Acute Tox. (oral) 4:H302 (ATE=1670 mg/kg) STOT SE (narcosis) 3:H336	REACH
	1 < C < 2 %	Ethylmethylketone CAS: 78-93-3, EC: 201-159-0, REACH: 01-2119457290-43 CLP: Danger: Flam. Liq. 2:H225 Eye Irrit. 2:H319 STOT SE (narcosis) 3:H336 EUH066	REACH / ATP01
	0,1 < C ≤ 0,3 %	Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate CAS: 1065336-91-5, EC: 915-687-0, REACH: 01-2119491304-40 CLP: Warning: Repr. 2:H361f Aquatic Acute 1:H400 (M=1) Aquatic Chronic 1:H410 (M=1) Skin Sens. 1A:H317	Autoclassified REACH
	0,1 < C ≤ 0,2 %	2-hydroxyethyl methacrylate CAS: 868-77-9, EC: 212-782-2, REACH: 01-2119490169-29 CLP: Warning: Eye Irrit. 2:H319 Skin Sens. 1:H317	REACH
	0,1 < C ≤ 0,2 %	Methyl methacrylate CAS: 80-62-6, EC: 201-297-1, REACH: 01-2119452498-28 CLP: Danger: Flam. Liq. 2:H225 Skin Irrit. 2:H315 Skin Sens. 1:H317 STOT SE (irrit.) 3:H335	REACH / CLP00
	Impurities: Does not contain oth <u>Stabilizers:</u>	er components or impurities which will influence the classification of the product	

STAR LACK BARNIZ HS 4050 PLUS REPAIR Code: 5009-001022 SYSTEN Version: 1 Date of issue: 31/08/2023 Date of printing: 31/08/2023 None Reference to other sections: For more information on hazardous ingredients, see sections 8, 11, 12 and 16. SUBSTANCES OF VERY HIGH CONCERN (SVHC): List updated by ECHA on 14/06/2023. Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006: None. Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006: None. PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPVB SUBSTANCES Does not contain substances that fulfil the PBT/vPvB criteria. SECTION 4: FIRST AID MEASURES 4.1 DESCRIPTION OF FIRST AID MEASURES: Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure.Wear protective gloves when administering first aid. Symptoms and effects, acute and delayed Description of first-aid measures Route of exposure Inhalation: Inhalation of solvent vapours may produce Remove the patient out of the contaminated area into the fresh air.If breathing is irregular or stops, administer headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, artificial respiration. If the person is unconscious, place in unconsciousness. appropriate recovery position. Keep the patient warm and **\$**(!) at rest until medical attention arrives. Skin: Skin contact causes redness.Prolonged contact mayRemove immediately contaminated clothing.Wash thoroughly the affected area with plenty of cold or cause skin dryness. ukewarm water and neutral soap, or use a suitable skin <u>(</u>) cleanser.Do not use solvents or thinners. Eyes: Contact with the eyes produces redness and pain. Remove contact lenses.Rinse eyes copiously by rrigation with plenty of clean, fresh water, holding the (!) eyelids apart.Call a physician immediately. Ingestion: If swallowed, may cause irritation of the throat, Do not induce vomiting, due to the risk of aspiration.Keep the patient at rest. abdominal pain, drowsiness, nausea, vomiting and diarrhoea MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED: 4.2 The main symptoms and effects are indicated in sections 4.1 and 11.1 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: 4.3 Notes to physician: Treatment should be directed at the control of symptoms and the clinical condition of the patient.. Antidotes and contraindications: Specific antidote not known.



STAR LACK BARNIZ HS 4050 PLUS CAR Repair Code: 5009-001022 SYSTEM Version: 1 Date of issue: 31/08/2023 Date of printing: 31/08/2023 SECTION 5: FIREFIGHTING MEASURES EXTINGUISHING MEDIA:) 5.1 Extinguishing powder or CO2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: 5.2 As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, Carbon dioxide, nitrogen oxides.Exposure to combustion or decomposition products may be a hazard to health. ADVICE FOR FIREFIGHTERS: 5.3 Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or is not being used, combat fire from a sheltered position or from a safe distance. The standard EN469 provides a basic level of protection for chemical incidents. Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire.Bear in mind the direction of the wind.Do not allow firefighting residue to enter drains, sewers or water courses. SECTION 6: ACCIDENTAL RELEASE MEASURES 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours.Keep people without protection in opposition to the wind direction. ENVIRONMENTAL PRECAUTIONS 6.2 Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP: 6.3 Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc..). Clean preferably with a biodegradable detergent. Keep the remains in a closed container. REFERENCE TO OTHER SECTIONS: 6.4 For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For waste disposal, follow the recommendations in section 13. SECTION 7: HANDLING AND STORAGE PRECAUTIONS FOR SAFE HANDLING: 7.1 Comply with the existing legislation on health and safety at work. - General recommendations: Avoid any type of leakage or escape.Keep the container tightly closed. - Recommendations for the prevention of fire and explosion risks: Vapours are heavier than air, may spread along floors to a considerable distance, can form explosive mixtures with air and are able to reach distant ignition sources and flame up or explode Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Switch mobile phones off and do not smoke.No tools with a potential for sparks should be used. Flashpoint 24 °C CLP 2.6.4.3. Autoignition temperature: -9,999 °C Lower/upper flammability or explosive limits: 1.0 - 15.0 % Volume 25°C Ventilation requirement: Not available. - Recommendations for the prevention of toxicological risks: Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8. Recommendations for the prevention of environmental contamination: Avoid any spillage in the environment.Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: 7.2 Forbid the entry to unauthorized persons. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10. Class of store: According to current legislation. Maximum storage period: 24 Months. Temperature interval: min:5 °C, max:25 °C (recommended). Incompatible materials: Keep away from oxidixing agents, from strongly alkaline and strongly acid materials. Type of packaging: According to current legislation. - Limit quantity (Seveso III): Directive 2012/18/EU:

94	llation (ÈC) No. 1907/2006	and Regulation (EU) No. 2020/878				(Language:E
CAR REPAIR	STAR LACK Code : 5009-	BARNIZ HS 405	0 PLUS				
SYSTEM	Date of issue: 31						Date of printing: 31/08/202
- Named dan - Hazard cate	ngerous substances/mixtu egories and lower-/uppertl	res:None hreshold quanti	ies in tonnes (t):				
· Health haza	azards:Flammable liquid a ards:Not applicable) (5000t/50000t).				
	ntal hazards:Not applicabl rds:Not applicable	e					
- Threshold of	quantity for the application quantity for the application						
Articles are the establishmer the total quart	ng quantities set out above he maximum quantities w nt only in quantities equal ntity present, if their locati hment. For more details, s	hich are presen to or less than 2 on within an est	t or are likely to b ? % of the relevan ablishment is suc	e present at it qualifying h that it car	t any one time. D quantity shall be mot act as an init	angerous sul ignored for t	bstances present at an he purposes of calculating
S SPECIFIC E	END USE(S):						
	of this product particular re			already indi	cated are not ava	ailable.	
	RE CONTROLS/PERSON PARAMETERS:	IAL PROTECTION	NC				
effectiveness made to EN6	s of the ventilation or other 589, EN14042 and EN482	r control measu standard conce	res and/or the new erning methods fo	cessity to us or assesing	se respiratory pro the exposure by i	tective equip	
effectiveness made to EN6 exposure to determination <u>- OCCUPAT</u>	s of the ventilation or other 689, EN14042 and EN482 chemical and biological ag n of dangerous substance TIONAL EXPOSURE LI	r control measu 2 standard conce gents. Referenc es. MIT VALUES	res and/or the new erning methods fo e should be also (<u>WEL)</u>	cessity to us or assesing	se respiratory pro the exposure by i tional guidance d	tective equip	oment. Reference should b chemical agents, and r methods for the
effectiveness made to ENG exposure to d determination <u>- OCCUPA</u> EH40/2005 V	s of the ventilation or other 689, EN14042 and EN482 chemical and biological ag n of dangerous substance <u>TIONAL EXPOSURE LI</u> WELs (United	r control measu 2 standard conce gents. Referenc es. MIT VALUES	res and/or the new erning methods for e should be also (WEL) WEL-TWA	cessity to us or assesing to made to nat	se respiratory pro the exposure by i tional guidance d WEL-STEL	tective equip inhalation to ocuments for	oment. Reference should b chemical agents, and
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effectiveness made to ENG exposure to a determination - OCCUPAT EH40/2005 V Kingdom) 20 n-butyl aceta Xylene (mixti 2-methoxy-1 Butylglycol a Heptan-2-on Ethylmethylk Methyl metha WEL - Workp BMGV - Biold guidance val Sk - Can be systemic toxi Sc - May cau A3 - Carcino A4 - Non class - Dermal (Sk Means that, i significant for absorption, b	s of the ventilation or other 589, EN14042 and EN482 chemical and biological ag n of dangerous substance <u>TIONAL EXPOSURE LI</u> WELS (United 18 ate ure of isomers) -methylethyl acetate icetate e acrylate place Exposure Limit, TW, ogical monitoring guidance lue needs to be conducted absorbed through the skir icity. use sensitization by skin co genic in animals. ssified as carcinogenic in :):	r control measures standard concest gents. References. MIT VALUES 2015 1996 - 2003 1987 1992 2000 A - Time Weight e value. BMGVs d on a voluntary n. The assigned ontact. humans.	res and/or the necerning methods for e should be also (WEL) WEL-TWA ppm 50 100 50 200 50 50 200 50 50 50 50 50 50 50 50 50 50 50 50 5	mg/m3 made to nat made to nat 237 434 275 133 233 590 208 Durs), STEL y and any b fully inform hose for wh	se respiratory pro the exposure by it tional guidance d WEL-STEL ppm 150 150 100 - - - - - - - - - - - - - - - - -	mg/m3 713 651 550 - 885 416 bosure Limit concerned). cerns that de	ment. Reference should b chemical agents, and r methods for the Remarks BMGV, A Sk, Recommende A BMG Sc, A (15 min). en in association with a ermal absorption will lead t pranes and eyes, may resu s for which dermal r importance even that

reliable indication of exposure. Biological monitoring is the measurement and assessment of hazardous substances or their metabolites in tissues, secretions, excreta or expired air, or any combination of these, in exposed workers. Measurements reflect absorption of a substance by all routes. Biological monitoring may be particularly useful in circumstances where there is likely to be significant skin absorption and/or gastrointestinal tract uptake following ingestion, where control of exposure depends on respiratory protective equipment, where there is a reasonably well-defined relationship between biological monitoring and effect, or where it gives information on accumulated dose and target organ body burden which is related to toxicity.

This preparation contains the following substances that have established a biological limit value:

- Methyl ethyl ketone (2012): Biological determinant: methyl ethyl ketone in urine, BEI: 2 mg/l, Sampling time: end of shift (2), Notation: (Ns). - Xylenes: Biological determinant: methylhippuric acids in urine, BEI: 1.5 g/g creatinine, Sampling time: end of shift (2).

These indicators accumulate in the body during the work week, therefore the sampling time is critical in relation to previous exposures. (2) When the end of the exposition not coincide with the end of the working day, the sample will be taken as soon as possible after the real exposition ceases. Once the steady state that depends on each biological indicator (weeks, months) has been reached, sampling of these can be done at any time. &The biological determinant is an indicator of exposure to the chemical, but the quantitative interpretation of the measurement is ambiguous. &(CDC: Guidelines for the identification and management of lead exposure in pregnant and lactating women, 2010).

- DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.



Xylene (mixture of isomers)

2-hydroxyethyl methacrylate

2-methoxy-1-methylethyl acetate

Heptan-2-one

n-butyl acetate

Methyl methacrylate

Ethylmethylketone

Butylglycol acetate

Reaction mass of bis(1,2,2,6,6-pentamethyl-4

-piperidil) sebacate and methyl 1,2,2,6,6pentamethyl-4-piperydyl sebacate

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- DERIVED NO-EFFECT LEVEL, WORKERS- Systemic effects, acuse and chronic: DMEL Inhalation maybe were maybe were maybe were maybe were selected and methyl 1.22,6.6-pentamethyl 4-piperidil selected and meth	migers migers <thmigers< th=""> <thmigers< th=""> <thmigers< th="" th<=""><th>Systemic effects, acute and chronic: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate</th><th>289 (a) s/r (a) 1516 (a) s/r (a) - (a)</th><th>1,27 394,25</th><th>(c)</th><th>s/r (a) s/r (a)</th><th></th><th></th><th>- (a)</th><th>-</th></thmigers<></thmigers<></thmigers<>	Systemic effects, acute and chronic: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate	289 (a) s/r (a) 1516 (a) s/r (a) - (a)	1,27 394,25	(c)	s/r (a) s/r (a)			- (a)	-
Xylene (mixture of isomers) 229 (a) 77 (c) a' / (a) 180 (c) - (a) Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperlyl) a'r (a) 1,27 (c) a'r (a) 1,8 (c) - (a) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperlyl a'r (a) 344,4 (c) a'r (a) 54,7 (c) - (a) Heptan-2one a'r (a) 346,4 (c) a'r (a) 1,8 (c) - (a) Ethylmethylkothone a'r (a) 346,4 (c) a'r (a) 1,8 (c) - (a) Syldproxphil methacrylate a'r (a) 346,4 (c) a'r (a) 1,8 (c) - (a) Syldproxphil methacrylate a'r (a) 346,4 (c) a'r (a) 1,8 (c) - (a) Syldproxphil methacrylate a'r (a) 450 (c) - (a) 1,5 (c) - (a) Syldproxphil methacrylate a'r (a) str (c) - (a) - (a) - (a) Syldproxphil methacrylate a'r (a) str (c) - (a) - (a) - (a) Syldproxphil methacrylate a'r (a) str (c) - (a) - (a)	(mitture of isomers) 289 (a) 7.7 (c) a/2 (a) 180 (c) - (a) - ion mass of bis(1, 22,6,6-pentamethyl-4-piperydyl ate sir (a) 1.27 (c) a/2 (a) 1.8 (c) - (a) - nethacylate sir (a) 344, (c) a/2 (a) 54, (c) - (a) - - (a) - nethylketone - (a) 344, (c) a/2 (a) 1.8 (c) - (a) - - (a) - - (a) - (a) - - (a) - <th>Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate</th> <th>s/r (a) 1516 (a) s/r (a) - (a)</th> <th>1,27 394,25</th> <th>(c)</th> <th>s/r (a)</th> <th></th> <th></th> <th></th> <th></th>	Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate	s/r (a) 1516 (a) s/r (a) - (a)	1,27 394,25	(c)	s/r (a)				
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sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate 1516 (a) 394,25 (c) o / τ (a) 54,27 (c) - (a) Methyl methacrylate a'r (a) 348,4 (c) a'r (a) 3,27 (c) - (a) Ethylmethylketone - (a) 600 (a) 4.9 (c) a'r (a) 1,37 (c) - (a) 2-hydroxyethyl methacrylate 960 (a) 4.9 (c) a'r (a) 1,33 (c) - (a) 2-hydroxyethyl methacrylate 976 (a) 1,33 (c) 1,02 (c) - (a) 2-methoxy-1-methylefhyl acetate 776 (a) 1,33 (c) - (a) - (a) DERIVED NO-EFFECT LEVEL, WORKERS- Local nether, hubitation neglonic a'r (a) a'r (c) - (a) Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) - (a) - (c) - (a) - (c) - (a) sebacate a'r (a) a'r (c) - (a) - (c) - (a) - (c) - (a) Lyddroxyethyl methacrylate 416 (a) 208 (c) 1,5 (a) 1,5 (c) - (a) Lyddroxyethyl methacrylate 33 (a) a'r (c) <td>ate and methyl 1,2,2,6,6-pentamethyl 4-piperydyl ate n-2-One 1516 (a) 394,25 (c) o/r (a) 54,27 (c) - (a) - (a) - o/r (a) 344,4 (c) o/r (a) 54,27 (c) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (b) - (b) - (b) - (c) - (a) - (a) - (a) - (b) - (b) - (c) - (a) - (a) - (a) - (b) - (c) - (a) - (c) -</td> <td>sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate</td> <td>s/r (a) - (a)</td> <td>394,25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	ate and methyl 1,2,2,6,6-pentamethyl 4-piperydyl ate n-2-One 1516 (a) 394,25 (c) o/r (a) 54,27 (c) - (a) - (a) - o/r (a) 344,4 (c) o/r (a) 54,27 (c) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (b) - (b) - (b) - (c) - (a) - (a) - (a) - (b) - (b) - (c) - (a) - (a) - (a) - (b) - (c) - (a) - (c) -	sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate	s/r (a) - (a)	394,25						
$ \begin{array}{ c c c c c } \mbox{Methyl nethacrylate} & sr'(a) 348.4 (c) & sr'(a) 13.67 (c) & -(a) \\ \mbox{Ethylinethylketone} & -(a) & 600 (c) & -(a) & 13.67 (c) & -(a) \\ \mbox{Ethylinethylketone} & sr'(a) 4.9 (c) & sr'(a) 1.3 (c) & -(a) \\ \mbox{In bulyl acetate} & 960 (a) 480 (c) & 111 (a) & 111 (c) & -(a) \\ \mbox{Ethylinethylketolacetate} & -(a) & 257 (c) & -(a) & 153.5 (c) & -(a) \\ \mbox{Ethylinethylketolacetate} & -(a) & 260 (c) & 112 (a) & 102 (c) & -(a) \\ \mbox{Ethylinethylketolacetate} & -(a) & 275 (c) & -(a) & 155.5 (c) & -(a) \\ \mbox{In classes} & -(a) & 299 (a) & sr'(c) & sr'(c) & sr'(c) & -(a) \\ \mbox{Ethylenethylketolacetate} & 289 (a) & sr'(c) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketolacetate} & sr'(a) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & sr'(a) & sr'(c) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & sr'(a) & sr'(c) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & -(a) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & sr'(a) & sr'(c) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & -(a) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & -(a) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & -(a) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & -(a) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & sr'(a) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & sr'(c) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & sr'(c) & sr'(c) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & sr'(c) & sr'(c) & sr'(c) & sr'(c) \\ \mbox{Ethylenethylketone} & -(a) & -(c) & sr'(c) & sr'($	with a cylate s/r (a) 348,4 (c) $5/r$ (a) 13,67 (c) - (a) - (a) nethylketone - (a) 600 (c) - (a) 111 (c) - (a) - (a) voyethyl methacylate $3/r$ (a) 4,80 (c) 111 (a) 111 (c) - (a) - (a) voyethyl methacylate 775 (a) 133 (c) 102 (a) 102 (c) - (a) - (a) voyethyl methacylate - (a) 775 (c) 133 (c) 102 (a) 102 (c) - (a) - (a) voyethyl methacylate - (a) 275 (c) - (a) s'r (c) s'r (a) s'r (c) - (a)	Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate	s/r (a) - (a)		(c)	- / - / -)				
Ethylmethylketone - (a) 600 (c) - (a) 1161 (c) - (a) 2hydroxyethyl methacrylate %r (a) 4.9 (c) %r (a) 1.1 (a) 111 (c) - (a) Dutyl aptate 775 (a) 133 (c) 102 (a) 102 (c) - (a) 2-methoxy-1-methylethyl acetate - (a) 275 (c) DEL Cataneous mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m	nethylkatone - (a) 600 (c) - (a) 1161 (c) - (a) - (a) coxyethyl methacylate sir (a) 4,9 (c) sir (a) 1,1 (a) 1,1 (c) - (a) - locatate 960 (a) 440 (c) 1,1 (a) 1,1 (c) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) - (a) air (b) air (c) a'r (a) - (a) a'r (a) - (a) a'r (a) - (a) - (a) a'r (a) - (a)	Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate	- (a)	348,4		s/r (a)	54,27	(c)	- (a)	-
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate			(c)	s/r (a)	13,67	(c)	- (a)	-
Diple of the property interesting of the property prediced property of the property of the property of	Autory Intervention 960 (a) 480 (c) 11 (a) 11 (c) - (a) - (a) hycol acetate 775 (a) 133 (c) 102 (a) 102 (c) - (a) - (a) hoxy-1-methylethyl acetate - (a) 775 (a) 133 (c) 102 (a) 102 (c) - (a) - (a) hoxy-1-methylethyl acetate - (a) 775 (a) 133 (c) 102 (a) ar - (a)	n-butyl acetate Butylglycol acetate	s/r (a)	600	(c)	- (a)	1161	(c)	- (a)	-
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$ \begin{array}{ c c c c c } \hline c (a) & 275 (c) & -(a) & 153,5 (c) & -(a) \\ \hline c (a) & 276 (b) - (a) & 153,5 (c) & -(a) \\ \hline c (a) & 276 (b) - (a) & 153,5 (c) & -(a) \\ \hline c (a) & 276 (c) & 277 (c) & 277 (c) & 277 (c) \\ \hline c (a) & 289 (a) & sr (c) & s/r (a) & sr (c) & s/r (a) \\ \hline c (a) & -(c) & a/r (a) & ar (c) & s/r (a) \\ \hline c (a) & -(c) & a/r (a) & ar (c) & s/r (a) \\ \hline c (a) & -(c) & a/r (a) & ar (c) & s/r (a) \\ \hline c (a) & -(c) & a/r (a) & ar (c) & s/r (a) \\ \hline c (a) & -(c) & -(a) & -(c) & a/r (a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -(a) & -(c) & -(a) & -(c) & -(a) \\ \hline c (a) & -2 \\ \hline c & -2 \\ \hline c$	non-standing - (a) 275 (c) - (a) 153,5 (c) - (a) - (a) <t< td=""><td></td><td>960 (a)</td><td>480</td><td>(c)</td><td>11 (a)</td><td>11</td><td>(c)</td><td>- (a)</td><td>-</td></t<>		960 (a)	480	(c)	11 (a)	11	(c)	- (a)	-
2-methoxy-1-methylethyl acetate - (a) 275 (c) - (a) 153.5 (c) - (a) - DERIVED NO-EFFECT LEVEL, WORKERS:- Local effects, acute and chronic: DNEL Inhalation mg/m3 DNEL Inhalation mg/m3 DNEL Inhalation mg/m3 DNEL Eves Mg/m2 Value (mixture of isomers) 289 (a) s/r (a) s/r (a) s/r (c) - (a) - (a) sebacate - (a) - (c) a/r (a) s/r (a) s/r (c) s/r (a)	hoxy-1-methylethyl acetate - (a) 275 (c) - (a) 153.5 (c) - (a) - (c) - (a) - (a) </td <td></td> <td>775 (a)</td> <td>133</td> <td>(c)</td> <td>102 (a)</td> <td>102</td> <td>(c)</td> <td>- (a)</td> <td>-</td>		775 (a)	133	(c)	102 (a)	102	(c)	- (a)	-
- DERIVED NO-EFFECT LEVEL, WORKERS:- Local effects, acute and chronic: Xylene (mixture of isomers) DNEL Cutaneous mg/m3 DNEL C	INCE NO-EFFECT LEVEL, WORKERS:- Local s, acute and chronic: DNEL Inhalation mg/m2 DNEL Cutaneous mg/m2 DNEL Even mg/m2 e (mixture of isomers) 289 (a) s/r (c) a/r (a) s/r (c) a/r (a) s/r (c) - (a) - in mass of bis(1,2,2,6,6-pentamethyl-4-piperydyl ate methylketone s/r (a) s/r (c) a/r (a) s/r (c) s/r (a) - -2one s/r (a) s/r (c) - (a) - (c) - (a) - (c) - (a) - (c) - (a) - -2one s/r (a) s/r (c) s/r (a) s/r (c) s/r (a) - - (a) - - (a) - -1 methacylate s/r (a) s/r (c) s/r (a) s/r (c) s/r (a) - - (a) - -1 acetate 960 (a) 480 (c) a/r (a) s/r (c) s/r (a) - - (a) - -1 (a) - c(c) - (a) - (c) - (a) - - (a) - - (a) - - (a) - -1/2 cal acletate - (a) - (c) - (a) - (c) - - (a) - - (a) - -1/2 cal acletate - (a) - (c) - (a) - - (a) - - (a) - - (a) - -1/2 cal acletate - (a) - (c) - (a) - - (a) - - (a) - - (a) - -1/2 ca	2-methoxy-1-methylethyl acetate	- (a)	275	(c)	- (a)	153,5	(c)	- (a)	-
Xylene (mixture of isomers)289 (a)s/r (c) $s/r (a)$ $s/r (a)$ $s/r (a)$ $- (a)$ Reaction mass of bis(1,2,2,6,6-pentamethyl4-piperidil)- (a)- (c) $a/r (a)$ $a/r (a)$ $a/r (a)$ $s/r (a)$ sebacate- (a)- (c) $a/r (a)$ $a/r (c)$ $s/r (a)$ $s/r (a)$ $s/r (a)$ $s/r (a)$ whethy methacrylate416 (a)208 (c) $1,5 (a)$ $1,5 (c)$ $s/r (a)$ Ethylmethylketone- (a)- (c)- (a)- (c)- (a)2-hydroxyethyl methacrylates/r (a)s/r (c) $s/r (a)$ $s/r (a)$ butylglycol acetate960 (a)480 (c) $s/r (a)$ $s/r (c)$ $s/r (a)$ 2-methoxy-1-methylethyl acetate960 (a)480 (c) $s/r (a)$ $s/r (c)$ $s/r (a)$ 2-methoxy-1-methylethyl acetate- (a)- (c)- (a)- (c)- (a)2-methoxy-1-methylethyl acetate- (a)- (c)- (a)- (c)- (a)2-methoxy-1-methylethyl acetate- Chronic, long-term or repeated exposure (a)- (c)- (a)2-methoxy-1-methylethyl acetate- Chronic, long-term or repeated exposure (a)- (c)- (a)1/2 - DNEL not derived (not identified hazard) (a)1/2 - DNEL not derived (not identified hazard)2-PREDICTED NO-EFFECT CONCENTRATION (PNEC):2-PREDICTED NO-EFFECT CONCENTRATION (PNEC):2-piperidii	e (mixture of isomers)289 (a)s/rs/r(a)- (a)- (a)ion mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) ate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl ate m-2-one- (a)- (c) a/r (a) a/r (b) s/r (c) s/r (c) s/r (a) a/r (c) s/r (a) a/r (a) $a/$	- DERIVED NO-EFFECT LEVEL, WORKERS:- Local		on			<u>s</u>			
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Heptan-2-ones/r (a)s/r (c)a/r (a)s/r (c)s/r (a)Methyl methacrylate416 (a)208 (c)1,5 (a)1,5 (c) $a/r (a)$ Ethylmethylketone- (a)- (c)- (a)- (c)- (a)- (c)2-hydroxyethyl methacrylate $s/r (a)$ $s/r (c)$ $s/r (a)$ $s/r (c)$ $s/r (a)$ hutyl goclacetate333 (a) $s/r (c)$ $s/r (a)$ $s/r (c)$ $s/r (a)$ Butylglycol acetate333 (a) $s/r (c)$ $s/r (a)$ $s/r (c)$ $- (a)$ 2-methoxy-1-methylethyl acetate333 (a) $s/r (c)$ $s/r (a)$ $s/r (c)$ $- (a)$ - Derived no-effect level, general population:- (a)- (c) $- (a)$ $- (c)$ $- (a)$ 1- Derived no-effect level, general population:- (a) $- (c)$ $- (a)$ $- (c)$ $- (a)$. Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure. $- (a)$ $- (c)$ $- (a)$ () - DNEL not available (without data of registration REACH). $s/r (a)$ $s/r (a)$ $s/r (a)$ s/r - DNEL not derived (high hazard). $ -$ PREDICTED NO-EFFECT CONCENTRATION (PNEC): $ -$ PREDICTED NO-EFFECT CONCENTRATION (PNEC): $ -$ PREDICTED NO-EFFECT CONCENTRATION $ -$ PREDICTED NO-EFFECT CONCENTRATION $ -$	s/r (a) s/r (a) s/r (c) s/r (a) s/r (c) s/r (a) s/r (a) <t< td=""><td>Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl</td><td>- (a)</td><td>-</td><td>(c)</td><td>a/r (a)</td><td>a/r</td><td>(c)</td><td>s/r (a)</td><td>-</td></t<>	Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl	- (a)	-	(c)	a/r (a)	a/r	(c)	s/r (a)	-
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Ethylmethylketone - (a) - (b) - (a) - (c) - (a) - (a) 2-hydroxyethyl methacrylate s/r (a) s/r (c) s/r (a) s/r (c) s/r (a) s/r (c) s/r (a) s/r (a) <td>International content of the second second</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	International content of the second	•								
Label productions/rs/rs/rs/rs/r(a)s/r(b) / r(a)2-hydroxyethyl methacrylate960 (a)480 (c) s/r (a) s/r (a) s/r (c) s/r (a)Butylglycol acetate333 (a) s/r (c) s/r (a) s/r (c) s/r (a) s/r (a)2-methoxy-1-methylethyl acetate- (a)- (c)- (a)- (c)- (a)- Derived no-effect level, general population:Not applicable (product for professional or industrial use).(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.(-) - ONEL not available (without data of registration REACH).s/r - DNEL not derived (low hazard) PREDICTED NO-EFFECT CONCENTRATION (PNEC):- priperidil) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperydyl sebacateMethyl methacrylate0.0982Methyl met	str. (a)s/r(a)s/r(a)s/r(b)(c)b/r(a)// acetate960(a)480(c)s/r(a)s/r(c)s/r(a)-// acetate333(a)s/r(c)s/r(a)s/r(a)(a)-// acetate333(a)s/r(c)s/r(a)s/r(a)-(a)									_
In yours, Derived price960 (a)480 (c) s/r (a) s/r (c) s/r (a)Butylglycol acetate333 (a) s/r (c) s/r (a) s/r (c) $-(a)$ 2-methoxy-1-methylethyl acetate- (a)- (c)- (a)- (c)- (a)- Derived no-effect level, general population:- (a)- (c)- (a)- (c)- (a)Not applicable (product for professional or industrial use) (a)- (c)- (a)- (c)- (a)(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure (r)- (r)- (r)- (r)(b) - DNEL not derived (not identified hazard) (r)- (r)- (r)- (r)- (r) s/r - DNEL not derived (high hazard) (r)- (r)- (r)- (r)- (r) s/r - DNEL not derived (high hazard) (r)- (r)- (r)- (r)- (r) s/r - DNEL not derived (high hazard) (r)- (r)- (r)- (r) s/r - ONEL not derived (high hazard) (r)- (r)- (r)- (r) s/r - ONEL not derived (high hazard) (r)- (r)- (r)- (r) s/r - ONEL not derived (high hazard) (r)- (r)- (r)- (r) s/r - ONEL not derived (high hazard) (r)- (r)- (r)- (r) s/r - ONCEFFECT CONCENTRATION.PNEC Fresh water- (r)- (r)- (r)AQUATIC ORGANISMS: - Fresh water, marine- (r)- (r)- (r)- (r)water and intermittent release:	years 960 (a) 480 (c) s/r (a) s/r (c) s/r (a)									_
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ConstraintConstraintConstraintConstraint2-methoxy-1-methylethyl acetate- (a) - (c)- (a) - (c)- (a)- Derived no-effect level, general population:Not applicable (product for professional or industrial use).(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.(-) - DNEL not available (without data of registration REACH).s/r - DNEL not derived (not identified hazard).b/r - DNEL not derived (low hazard).a/r - DNEL not derived (low hazard) PREDICTED NO-EFFECT CONCENTRATION (PNEC):- PREDICTED NO-EFFECT CONCENTRATION, AQUATIC ORGANISMS: Fresh water, marine water and intermittent release:Xylene (mixture of isomers)Xylene (mixture of isomers)Quanter of bis(1,2,2,6,6- pentamethyl-4-piperydyl sebacateHeptan-2-oneHeptan-2-oneMethyl methacrylate-butyl acetate0.180.180.1940.1940.1982-hydroxyethyl methacrylate0.180.1940.1982-hydroxyethyl acetate0.3040.3040.3040.3040.3040.3040.304	Inclusion - (a) - (b) - (c) - (c) - (c) - (a)	-								_
- Derived no-effect level, general population: Not applicable (product for professional or industrial use). (a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure. (-) - DNEL not available (without data of registration REACH). s/r - DNEL not derived (not identified hazard). a/r - DNEL not derived (low hazard). a/r - Station are complexition of the derived (low hazard). a/r - DNEL not derived (low haz	ived no-effect level, general population; pplicable (product for professional or industrial use). Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure. NEL not available (without data of registration REACH). DNEL not derived (not identified hazard). DNEL not derived (low hazard). EDICTED NO-EFFECT CONCENTRATION (PNEC): EDICTED NO-EFFECT CONCENTRATION, ATIC ORGANISMS:- Fresh water, marine rand intermittent release: rand intermittent release: ne (mixture of isomers) stion mass of bis(1,2,2,6,6-pentamethyl-4 ridil) sebacate and methyl 1,2,2,6,6- amethyl-4-piperydyl sebacate an-2-one 0.0982 0.00982 0.00 yl methacrylate 0.482 0.482 0.482 glycol acetate 0.18 0.018 0.1 glycol acetate 0.304 0.0304 0.1 glycol acetate 0.304 0.0304 0.1					. ,				_
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- PREDICTED NO-EFFECT CONCENTRATION, AQUATIC ORGANISMS:- Fresh water, marine water and intermittent release: Xylene (mixture of isomers)PNEC Fresh water mg/lPNEC Marine mg/lPNEC Intermittent mg/lXylene (mixture of isomers)0.3270.3270.327Reaction mass of bis(1,2,2,6,6-pentamethyl-4 -piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate0.00220.00022Heptan-2-one0.09820.00982Methyl methacrylate0.940.094Ethylmethylketone55.855.82-hydroxyethyl methacrylate0.4820.482n-butyl acetate0.3040.0304Butylglycol acetate0.3040.03042-methoxy-1-methylethyl acetate0.6350.0635	EDICTED NO-EFFECT CONCENTRATION. ATIC ORGANISMS:- Fresh water, marine r and intermittent release: ne (mixture of isomers)PNEC Fresh water mg/lPNEC Intermittent mg/lne (mixture of isomers)0.3270.3270.327tition mass of bis(1,2,2,6,6-pentamethyl-4 amethyl-4-piperydyl sebacate an-2-one0.00220.000220.00an-2-one wyl methacrylate0.09820.009820.94Immethylketone droxyethyl methacrylate55.855.855.8droxyethyl methacrylate0.4820.4820.482tyl acetate lglycol acetate0.3040.03040.304thoxy-1-methylethyl acetate0.6350.06356.3STEWATER TREATMENT PLANTS (STP)PNEC STPPNEC SedimentsPNEC Sediments		N (PNFC):							
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Heptan-2-one 0.0982 0.00982 Methyl methacrylate 0.94 0.094 Ethylmethylketone 55.8 55.8 2-hydroxyethyl methacrylate 0.482 0.482 n-butyl acetate 0.18 0.018 Butylglycol acetate 0.304 0.0304 2-methoxy-1-methylethyl acetate 0.635 0.0635	an-2-one 0.0982 0.00982 0.0982 hyl methacrylate 0.94 0.094 0.94 imethylketone 55.8 55.8 55.8 droxyethyl methacrylate 0.482 0.482 0.482 tyl acetate 0.18 0.018 0.304 iglycol acetate 0.304 0.0304 0.55 STEWATER TREATMENT PLANTS (STP) PNEC StP PNEC Sediments PNEC Sediments	-piperidil) sebacate and methyl 1,2,2,6,6-		0.0022			0.0002	2		0.00
Methyl methacrylate 0.94 0.094 Ethylmethylketone 55.8 55.8 2-hydroxyethyl methacrylate 0.482 0.482 n-butyl acetate 0.18 0.018 Butylglycol acetate 0.304 0.0304 2-methoxy-1-methylethyl acetate 0.635 0.0635	nyl methacrylate 0.94 0.094 0.94 Imethylketone 55.8 55.8 55.8 droxyethyl methacrylate 0.482 0.482 0.482 tyl acetate 0.18 0.018 0.0304 0.018 iglycol acetate 0.304 0.0304 0.55 0.55 sthoxy-1-methylethyl acetate 0.635 0.0635 6.55 STEWATER TREATMENT PLANTS (STP) PNEC Sediments PNEC Sediments PNEC Sediments			0.0982			0.0098	2		0.98
Ethylmethylketone55.82-hydroxyethyl methacrylate0.482n-butyl acetate0.18Butylglycol acetate0.3042-methoxy-1-methylethyl acetate0.635	Imethylketone55.855.855.8droxyethyl methacrylate0.4820.4820.482tyl acetate0.180.0180.3iglycol acetate0.3040.03040.3ethoxy-1-methylethyl acetate0.6350.06356.3STEWATER TREATMENT PLANTS (STP)PNEC STPPNEC SedimentsPNEC Sediments	•								0.9
2-hydroxyethyl methacrylate 0.482 0.482 n-butyl acetate 0.18 0.018 Butylglycol acetate 0.304 0.0304 2-methoxy-1-methylethyl acetate 0.635 0.0635	droxyethyl methacrylate0.4820.482tyl acetate0.180.0180.304lglycol acetate0.3040.03040.304thoxy-1-methylethyl acetate0.6350.06356.3STEWATER TREATMENT PLANTS (STP)PNEC StPPNEC SedimentsPNEC Sediments									55.
n-butyl acetate0.180.018Butylglycol acetate0.3040.03042-methoxy-1-methylethyl acetate0.6350.0635	tyl acetate0.180.0180.304lglycol acetate0.3040.03040.304ethoxy-1-methylethyl acetate0.6350.06356.33STEWATER TREATMENT PLANTS (STP)PNEC STPPNEC SedimentsPNEC Sediments	Ethvlmethvlketone								
Butylglycol acetate0.3040.03042-methoxy-1-methylethyl acetate0.6350.0635	glycol acetate 0.304 0.0304 0.4 glycol acetate 0.635 0.0635 6.5 STEWATER TREATMENT PLANTS (STP) PNEC STP PNEC Sediments PNEC Sediments		1							0.3
2-methoxy-1-methylethyl acetate 0.635 0.0635	of system 0.635 0.0635 6.5 STEWATER TREATMENT PLANTS (STP) PNEC STP PNEC Sediments PNEC Sediments	2-hydroxyethyl methacrylate		0.18					1	
	STEWATER TREATMENT PLANTS (STP) PNEC STP PNEC Sediments PNEC Sediments	2-hydroxyethyl methacrylate n-butyl acetate						4		0.5
		2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate		0.304			0.030			0.5 6.3

6.58

12.5

10 709

10

90

100

35.6

1

12.46

1.05

1.89

10.2

3.79

2.03

3.29

0.981

284.74

12.46

0.11

0.189

0.102

284.7

3.79

0.0981

0.203

0.329

SAFETY DATA SHEET (REACH) In accordance with Regulation (EC) No. 1907/2006 and Regulation (EU) No. 2020/878



STAR LACK BARNIZ HS 4050 PLUS Code : 5009-001022





Version	: 1 Date of	of issue: 31/08/2023			Date of printing: 31/08/2023
1	- PREDICTED NO-EFFE		PNEC Air	PNEC Soil	PNEC Oral
	TERRESTRIAL ORGANI		mg/m3	mg/kg dw/d	mg/kg dw/d
	effects for predators and		ing, no	ing/kg aw/a	
				2.21	
	Xylene (mixture of isom		-	2.31	-
	Reaction mass of bis(1		s/r	0.21	n/b
	-piperidil) sebacate and				
	pentamethyl-4-piperydy	/l sebacate			
	Heptan-2-one		s/r	0.321	n/b
	Methyl methacrylate		s/r	1.48	n/b
	Ethylmethylketone		_	22.5	1000
	• •	ndata		0.476	n/b
	2-hydroxyethyl methacr	yiale	-		
	n-butyl acetate		s/r	0.0903	n/b
	Butylglycol acetate		-	0.68	60
	2-methoxy-1-methyleth	yl acetate	-	0.29	-
l t	(-) - PNEC not available	e (without data of registrati	on REACH).		•
	n/b - PNEC not derived	(not bioaccumulative pote	ential).		
	s/r - PNEC not derived		-		
8.2	EXPOSURE CONTRO	LS:			
0.2	ENGINEERING MEAS				
		<u>orico.</u>			
		The second se	e adequate ventilation.Whe	ere reasonably practicable,	this should be achieved
				ation and good general ext	
				centrations of particulates a	
				itable respiratory protectio	
	- Protection of respirato	•	,,		
	Avoid the inhalation of va				
		•			
	- Protection of eyes and				
			ewash bottles with clean wat	er close to the working area.	
	 Protection of hands ar 				
				rking area.Barrier creams ma	ay help to protect the
	-		be applied once exposure has		
	OCCUPATIONAL EXP	OSURE CONTROLS: RE	<u> GULATION (EU) NO. 2016</u>	<u>6/425:</u>	
				the use of a basic personal p	
	with the corresponding m	arking. For more informatior	n on personal protective equi	pment (storage, use, cleaning	g, maintenance, type and
			category, CEN norm, etc), <u>y</u>	you should consult the inform	ative brochures provided by
	the manufacturers of PPE				
	Mask:	A-type filter mask (brov	vn) for gases and vapours	of organic compounds with	n a boiling point higher than
		✓ 65°C (EN14387).Class	1: low capacity up to 1000) ppm, Class 2: medium ca	pacity up to 5000 ppm,
	Ŭ	Class 3: high capacity u	up to 10000 ppm.In order t	o obtain a suitable protecti	on level, the filter class
		must be selected depen	nding on the type and cond	centration of the contamina	iting agents present, in
		accordance with the sp	ecifications supplied by the	e filter producers.The respi	ratory equipment with
				ntains high concentrations	
				igh concentrations of vapo	
		breathing apparatus.	·		
	Safety goggles:	÷	d to protect against liquid	splashes, with suitable late	eral protection
				als in accordance with the	
		manufacturer.			
	Face shield:	No.			
	01				
	Gloves:			n repeated or prolonged co	
	Ŭ			nould be used, with a break	
				ted, use gloves with a prot	
				n.The breakthrough time of	
		material should be in a	cordance with the pretend	led period of use There are	a several factors (for

material should be in accordance with the pretended period of use.There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against

circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when

chemicals is clearly lower than the established standard EN374.Due to the wide variety of

any sign of degradation is noted.

No.

No.

No.

Thermal hazards:

Boots:

Apron:

Clothing:

CAR REPAIR System	STAR LACK BARNIZ H Code : 5009-001022	S 4050 PLUS	
ersion: 1	Date of issue: 31/08/2023		Date of printing: 31/08/2
Not applicable	e (the product is handled at room te	mperature)	
	ENTAL EXPOSURE CONTROLS		
	lage in the environment. Avoid any		
- Spills on th		•	
Prevent conta	mination of soil.		
- Spills in wa	ter:		
Do not allow	to escape into drains, sewers or wa	ter courses.	
		uded in the list of priority substances in the field of wate	er policy under Directive
	to the atmosphere:		
		e while handling and use may result. Avoid any release	e into the atmosphere.
	AND CHEMICAL PROPERTIES		
	ON ON BASIC PHYSICAL AND		
	ON ON BASIC I THISICAL AND	CHEMICAET NOT ENTED.	
Appearance Physical state		Liquid	
Colour:		Colourless	
Odour:		Characteristic	
Odour thresh	bld:	Not available (mixture).	
Change of st			
Melting point:		Not available (mixture).	
Initial boiling p	point:	124 °C at 760 mmHg	
- Flammabil		C C	
Flashpoint	-	24 °C	CLP 2.6.4.3.
Lower/upper f	lammability or explosive limits:	1,00 - 15,00 % Volume 25°C	
Autoignition te	emperature:	-9,999 °C	
<u>Stability</u>			
	n temperature:	Not available (technical impossibilit data).	y to obtain the
p <u>H-value</u> pH:		Not applicable (non-aqueous media	a).
- Viscosity:			
Dynamic visco	•	Not available.	
Kinematic vise	5	Not available.	
- Solubility(i		la se in site la	
Solubility in w Liposolubility:	ater	Inmiscible Not applicable (inorganic product).	
	icient: n-octanol/water:	Not applicable (morganic product).	
- Volatility:			
Vapour press	Ire.	10.7 hPa at 20ºC	
Vapour press		6,7959* kPa at 50°C	
Evaporation r		Not available (lack of data).	
Density		· · · ·	
Relative dens	ity:	0,976* at 20/4°C	Relative water
Relative vapo	-	3,44* at 20°C 1 atm.	Relative air
Particle char	<u>acteristics</u>		
Particle size:		Not applicable.	
 Explosive 	<u>properties:</u>		
		d are able to flame up or explode in presence of an ign	ition source.
- Oxidizing p			
Not classified	as oxidizing product.		
*Estimated va	lues based on the substances com	nosing the mixture	
	lues based on the substances com		
	egarding physical hazard classe	6	
	uids: Combustibility:	<u>S</u> Combustible.	
Other securi			
Heat of comb		7103 Kcal/kg	
VOC (supply)		Not available.	
VOC (supply)		568,3 g/l	
Nonvolatile:		-9,999,00 % Weight	1h. 60⁰C
The values in		product specifications. The data for the product specifi	
		al information concerning physical and chemical proper	

CAR Repair System

Code : 5009-001022

STAR LACK BARNIZ HS 4050 PLUS

	1 Date of issue: 31/08/2023			Date of printing: 31/08/20
	N 10: STABILITY AND REACTIVITY			
10.1	REACTIVITY:			
	 Corrosivity to metals: 			
	It is not corrosive to metals.			
	 Pyrophorical properties: 			
	It is not pyrophoric.			
0.2	CHEMICAL STABILITY:			
	Stable under recommended storage and handling c	onditions.		
0.3	POSSIBILITY OF HAZARDOUS REACTIONS:	- ida watala alkaka wanasida a		
	Possible dangerous reaction with oxidizing agents, a compounds.	acids, metals, alkalis, peroxides,	reducing agents, polymerizati	on initiators, heavy-me
0.4	CONDITIONS TO AVOID:			
J. T	- Heat:			
	Keep away from sources of heat.			
	- Light:			
	If possible, avoid direct contact with sunlight.			
	- Air:			
	The product is not affected by exposure to air, but s	hould not be left the containers o	pen.	
	- Humidity:			
	Avoid extreme humidity conditions.			
	- Pressure:			
	Not relevant.			
	- Shock:			
	The product is not sensitive to shocks, but as a reco dents and breakage of packaging, especially when			
).5	INCOMPATIBLE MATERIALS:	the product is handled in large q	danulies, and during loading a	
0.5	Keep away from oxidixing agents, from strongly alka	aline and strongly acid materials		
).6	HAZARDOUS DECOMPOSITION PRODUCTS			
.0	As consequence of thermal decomposition, hazardo		itrogen oxides	
CTION				
CTIOI		vration is available. The toxical	ogical classification for the	o mixturo has hoon
CTIOI	No experimental toxicological data on the prepa			
	No experimental toxicological data on the prepa carried out by using the conventional calculation	n method of the Regulation (El	J) No. 1272/2008~2021/84	
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D	n method of the Regulation (El	J) No. 1272/2008~2021/84	
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u>	n method of the Regulation (El EFINED IN REGULATION (EC	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u>	9 (CLP).
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401)	J) No. 1272/2008~2021/84	9 (CLP). CL50 (OECD4
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u> Dose and lethal concentrations for individual ingredients:	n method of the Regulation (El EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u> DL50 (OECD402) mg/kg bw Cutaneous	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u> Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers)	n method of the Regulation (EL EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u> DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u> Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4-	n method of the Regulation (El EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u> DL50 (OECD402) mg/kg bw Cutaneous	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u> Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers)	n method of the Regulation (EL EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u> DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u> Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6-	n method of the Regulation (EL EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u> DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate	n method of the Regulation (EL EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u> Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800
	No experimental toxicological data on the prepa carried out by using the conventional calculation <u>INFORMATION ON HAZARD CLASSES AS D</u> <u>ACUTE TOXICITY:</u> Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u> DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit	9 (CLP). CL50 (OECD ² mg/m3·4h Inhala > 22080 > 16700 > 29800
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat	J) No. 1272/2008~2021/84 <u>C) NO 1272/2008 :</u> DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit 3000 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23400
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate	n method of the Regulation (El EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 22080 > 23500 > 23400 > 400
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23400 > 400 > 35700
	No experimental toxicological data on the prepar carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit 55000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit 55000 Rat	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23400 > 400 > 35700
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE)	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat ATE	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit 55000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit 25000 Rat ATE	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23500 > 23400 > 400 > 35700 / mg/m3·4h Inhala
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE) for individual ingredients:	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat ATE	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit > 5000 Rat ATE mg/kg bw Cutaneous	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23500 > 23400 > 35700 Mg/m3·4h Inhala 11000 Vapo
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE) for individual ingredients: Xylene (mixture of isomers)	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat ATE mg/kg bw Oral	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit > 5000 Rat ATE mg/kg bw Cutaneous	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 23800 > 23500 > 23400 > 23400 > 400 > 35700 / mg/m3·4h Inhala 11000 Vapo 16700 Vapo
	No experimental toxicological data on the prepar carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE) for individual ingredients: Xylene (mixture of isomers) Heptan-2-one	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat ATE mg/kg bw Oral	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit > 5000 Rat ATE mg/kg bw Cutaneous	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 23500 > 23500 > 23400 > 23500 > 23400 > 35700 // mg/m3·4h Inhala 11000 Vapo 16700 Vapo 29800 Vapo
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE) for individual ingredients: Xylene (mixture of isomers) Heptan-2-one Methyl methacrylate	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat ATE mg/kg bw Oral	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit 55000 Rabbit 17600 Rabbit 17600 Rabbit 1480 Rabbit 1480 Rabbit 25000 Rat ATE mg/kg bw Cutaneous *1700 - -	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23400 > 23400 > 35700 Mg/m3·4h Inhala 11000 Vapo 29800 Vapo 23500 Vapo 23500 Vapo
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE) for individual ingredients: Xylene (mixture of isomers) Heptan-2-one Methyl methacrylate Ethylmethylketone	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat ATE mg/kg bw Oral	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit > 5000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit > 5000 Rat ATE mg/kg bw Cutaneous	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23400 > 35700 Mg/m3·4h Inhala 11000 Vapo 29800 Vapo 23500 Vapo 23400 Vapo 23400 Vapo 23400 Vapo
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE) for individual ingredients: Xylene (mixture of isomers) Heptan-2-one Methyl methacrylate Ethylmethylketone n-butyl acetate	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat 8532 Rat ATE mg/kg bw Oral - 1670	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit 55000 Rabbit 17600 Rabbit 17600 Rabbit 1480 Rabbit 1480 Rabbit 25000 Rat ATE mg/kg bw Cutaneous *1700 - -	
	No experimental toxicological data on the prepa carried out by using the conventional calculation INFORMATION ON HAZARD CLASSES AS D ACUTE TOXICITY: Dose and lethal concentrations for individual ingredients: Xylene (mixture of isomers) Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate Heptan-2-one Methyl methacrylate Ethylmethylketone 2-hydroxyethyl methacrylate n-butyl acetate Butylglycol acetate 2-methoxy-1-methylethyl acetate Estimates of acute toxicity (ATE) for individual ingredients: Xylene (mixture of isomers) Heptan-2-one Methyl methacrylate Ethylmethylketone n-butyl acetate Butylglycol acetate Butylglycol acetate Ethylmethylketone n-butyl acetate Butylglycol acetate Butylglycol acetate	n method of the Regulation (EU EFINED IN REGULATION (EC DL50 (OECD401) mg/kg bw Oral 4300 Rat 3230 Rat 1670 Rat 7900 Rat 2737 Rat 5050 Rat 10768 Rat 1880 Rat 8532 Rat ATE mg/kg bw Oral 1670 1670	J) No. 1272/2008~2021/84 C) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 1700 Rabbit 3170 Rat 10300 Rabbit 55000 Rabbit 6480 Rabbit 3000 Rabbit 17600 Rabbit 1480 Rabbit 55000 Rat ATE mg/kg bw Cutaneous *1700 - - - - - - - - - - - - -	9 (CLP). CL50 (OECD4 mg/m3·4h Inhala > 22080 > 16700 > 29800 > 23500 > 23400 > 35700 // mg/m3·4h Inhala 11000 Vapo 23500 Vapo 23400 Vapo 23500 Vapo 23400 Vapo 35700 Vapo



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Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate	36 Rat		
Methyl methacrylate	124 Rat		2080 Rat
- Lowest observed adverse effect level		LOAEL Cutaneous	LOAEC Inhalation

		mg/kg bw/	ng/kg bw/d	mg/m3
Vethyl methacrylate				416 Rat
INFORMATION ON LIKEL	Y ROUTES OF EXPOSURE: AC	UTE TOXICIT	<u>Y:</u>	
Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed	Criteria
Inhalation: Not classified	ATE > 20000 mg/m3	-	Not classified as a product with acute t if inhaled (based on available data, the classification criteria are not met).	
Skin: Not classified	ATE > 5000 mg/kg bw	-	Not classified as a product with acute t in contact with skin (based on available the classification criteria are not met).	oxicity GHS/CLP e data, 3.1.3.6.
Eyes: Not classified	Not available.	-	Not classified as a product with acute t by eye contact (lack of data).	oxicity GHS/CLP 1.2.5.
Ingestion: Not classified	ATE > 5000 mg/kg bw	-	Not classified as a product with acute t if swallowed (based on available data, classification criteria are not met).	

GHS/CLP 3.1.3.6: Classification of mixtures based on ingredients of the mixture (additivity formula).

CORROSION / IRRITATION / SENSITISATION :

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
 Respiratory corrosion/irritation: Not classified 	-	-	Not classified as a product corrosive or irritant by inhalation (based on available data the classification criteria are not met).	GHS/CLP ,1.2.6. 3.8.3.4.
- Skin corrosion/irritation:	Skin	Cat.2	IRRITANT: Causes skin irritation.	GHS/CLP 3.2.3.3.
- Serious eye damage/irritation:	Eyes	Cat.2	IRRITANT: Causes serious eye irritation.	GHS/CLP 3.3.3.3.
 Respiratory sensitisation: Not classified 	-	-	Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.
- Skin sensitisation:	Skin	Cat.1	SENSITISING: May cause an allergic skin reaction.	GHS/CLP 3.4.3.3.

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

- ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
 Aspiration hazard: Not classified 	-	-	Not classified as a product hazardous by aspiration (based on available data, the	GHS/CLP 3.10.3.3.
			classification criteria are not met).	

GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all components or only for some components.

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Effects	SE/RE	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
- Neurological:	re	Hearing system			GHS/CLP 3.8.3.4
- Neurological:	se	CNS		/	GHS/CLP 3.8.3.4.

GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

CMR EFFECTS:

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CAR Repair System

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	- Carcinogenic effects:	
	It is not considered as a carcinogenic product.	
	- <u>Genotoxicity:</u> It is not considered as a mutagenic product.	
	- Toxicity for reproduction:	
	Does not harm fertility.Does not harm the unborn child.	
	- Effects via lactation:	
	Not classified as a hazardous product for children breast-fed.	
	DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT	AND LONG-TERM EXPOSURE:
	Routes of exposure	
	May be absorbed by inhalation of vapour, through the skin and by ingestion.	
	 <u>Short-term exposure:</u> Exposure to solvent vapour concentrations in excess of the stated occupational exposure limit, may r 	result in adverse health effects, such as
	mucous membrane and respiratory system irritation and adverse effects on kidneys, liver and central eyes may cause irritation and reversible damage. If swallowed, may cause irritation of the throat; othe described in the exposure to vapours. Causes skin irritation. May cause drowsiness or dizziness.	nervous system.Liquid splashes in the
	- Long-term or repeated exposure:	
	Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allerg through the skin. May cause damage to hearing organs through prolonged or repeated exposure if in	
	INTERACTIVE EFFECTS:	
	Not available.	
	INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:	
	- Dermal absorption:	lana (mintum of incoment) Henton 2
	This preparation contains the following substances for which dermal absorption can be very high: Xyl one, Butylglycol acetate , 2-methoxy-1-methylethyl acetate.	iene (mixture of isomers), Heptan-2-
	- Basic toxicokinetics:	
	Not available.	
	ADDITIONAL INFORMATION:	
	This preparation contains glycols that are readily absorbed through the skin and may cause harmful e	effects on the blood.
11.2	INFORMATION ON OTHER HAZARDS:	
	Endocrine disrupting properties: This product does not contain substances with endocrine disrupting properties identified or under eva	aluation
	Other information:	
	No additional information available.	



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SECTION 12: ECOLOGICAL INFORMATION
No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these
mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2021/849
(CLP).

TOXICITY:			
- Acute toxicity in aquatic environment for individual ingredients	CL50 (OECD 203) mg/l·96hours	CE50 (OECD 202) mg/l·48hours	CE50 (OECD 201 mg/l·72hours
Xylene (mixture of isomers)	14 - Fishes	16 - Daphniae	10 - Algae
Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate	0.9 - Fishes		1.7 - Algae
Heptan-2-one	131 - Fishes	90 - Daphniae	98 - Algae
Methyl methacrylate	79 - Fishes	69 - Daphniae	37 - Algae
Ethylmethylketone	2993 - Fishes	308 - Daphniae	1972 - Algae
2-hydroxyethyl methacrylate	227 - Fishes	380 - Daphniae	836 - Algae
n-butyl acetate	18 - Fishes	44 - Daphniae	675 - Algae
Butylglycol acetate	28 - Fishes	37 - Daphniae	1570 - Algae
2-methoxy-1-methylethyl acetate	134 - Fishes	408 - Daphniae	1000 - Algae
- No observed effect concentration	NOEC (OECD 210)	NOEC (OECD 211)	NOEC (OECD 201)
	mg/I · 28 days	mg/l · 21 days	mg/l · 72 hours
Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate		6.3 - Daphniae	0.22 - Algae
Heptan-2-one			43 - Algae
			· · · · · · · · · · · · · · · · · · ·

Heptan-2-one		43 - Algae
Methyl methacrylate	37 - Daphniae	110 - Algae
n-butyl acetate	23 - Daphniae	
2-methoxy-1-methylethyl acetate	100 - Daphniae	

- Lowest observed effect concentration

Not available

ASSESSMENT OF AQUATIC TOXICITY:

Aquatic toxicity	Cat.	Main hazards to the aquatic environment	Criteria
 Acute aquatic toxicity: Not classified 	-	Not classified as a hazardous product with acute toxicity to aquatic life (based on available data, the classification criteria are not met).	GHS/CLP 4.1.3.5.5.3.
 Chronic aquatic toxicity: 	Cat.3	HARMFUL: Harmful to aquatic life with long lasting effects.	GHS/CLP 4.1.3.5.5.4.

CLP 4.1.3.5.5.3: Classification of a mixture for acute hazards, based on summation of classified components.

CLP 4.1.3.5.5.4: Classification of a mixture for chronic (long term) hazards, based on summation of classified components.

12.2 PERSISTENCE AND DEGRADABILITY:			
- Biodegradability:			
Not available.			
Aerobic biodegradation	COD	%DBO/DQO	Biodegradabilidad
for individual ingredients	mgO2/g	5 days 14 days 28 days	
Xylene (mixture of isomers)	2620	52 81 88	Easy
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-		- 34 38	Not easy
piperidil) sebacate and methyl 1,2,2,6,6-			
pentamethyl-4-piperydyl sebacate			_
Heptan-2-one	2802	69	Easy
Methyl methacrylate	1748	58 94 -	Easy
Ethylmethylketone	2440	48 - 98	Easy
2-hydroxyethyl methacrylate	1721	- 92 -	Easy
n-butyl acetate	2204	80 82 83	Easy
Butylglycol acetate	2071	51 71 88	Easy
2-methoxy-1-methylethyl acetate	1520	22 78 90	Easy
Note: Biodegradability data correspond to an average of dat	a from various bibliographi	ic sources.	
<u>- Hydrolysis:</u>			
Not available.			
- Photodegradability:			
Not available.			
12.3 BIOACCUMULATIVE POTENTIAL:			
May bioaccumulate.			

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	Bioaccumulation for individual ingredients	logPow		BCF L/kg	Potential
	Xylene (mixture of isomers)	3.16	56.5	(calculated)	Lov
	Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidil) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperydyl sebacate	2.37			Unlikely, lov
	Heptan-2-one	2.26	9.4	(calculated)	No bioaccumulable
	Methyl methacrylate	1.38	3.8	(calculated)	No bioaccumulable
	Ethylmethylketone	0.29		(calculated)	No bioaccumulable
	2-hydroxyethyl methacrylate	0.47		(calculated)	No bioaccumulabl
	n-butyl acetate	1.81		(calculated)	No bioaccumulabl
	Butylglycol acetate	1.51		(calculated)	No bioaccumulabl
	2-methoxy-1-methylethyl acetate	0.56		(calculated)	No bioaccumulable
12.4	MOBILITY IN SOIL:	0.00	0.2	(ouloulutou)	
12.4	Not available		Quant		Detertio
	Mobility for individual ingredients	log Poc	Consta Pa	ant of Henry ∙m3/mol 20°C	Potentia
	Xylene (mixture of isomers)	2,25	660	(calculated)	Lov
	Heptan-2-one	2,21		(calculated)	No bioaccumulable
	Ethylmethylketone	1,28		(calculated)	No bioaccumulable
	2-hydroxyethyl methacrylate	0,71			No bioaccumulable
	n-butyl acetate	1,84		(calculated)	No bioaccumulable
	Butylglycol acetate	1,41		(calculated)	No bioaccumulable
	2-methoxy-1-methylethyl acetate	0,23		(calculated)	No bioaccumulable
12.5	RESULTS OF PBT AND VPVB ASSESMENT:		<u>C) no. 1907/200</u>	<u>6:)</u>	
	Does not contain substances that fulfil the PBT/vP	/B criteria.			
12.6	ENDOCRINE DISRUPTING PROPERTIES:				
12.7	This product does not contain substances with enc OTHER ADVERSE EFFECTS:	ocrine disrupting properties ide	ntified or under e	valuation.	
	 <u>- Ozone depletion potential:</u> Not available. <u>- Photochemical ozone creation potential:</u> Not available. <u>- Earth global warming potential:</u> 				
	Not available. <u>- Photochemical ozone creation potential:</u> Not available. <u>- Earth global warming potential:</u> In case of fire or incineration liberates CO2.				
	Not available. <u>- Photochemical ozone creation potential:</u> Not available. <u>- Earth global warming potential:</u> In case of fire or incineration liberates CO2. N 13: DISPOSAL CONSIDERATIONS	008/98/EC~Regulation (EU) r	no. 1357/2014 [.]		
	Not available. <u>- Photochemical ozone creation potential:</u> Not available. <u>- Earth global warming potential:</u> In case of fire or incineration liberates CO2.	tion of waste whenever possibl spose at an authorised waste c ons. For exposure controls and C~2015/720/EU, Decision 20 osed in accordance with current degree of empting of the same, Decision 2000/532/EC, and for same measures as for the proc roduct:	e. Analyse possil ollection point. W personal protecti 000/532/EC~20 ly local and natio being the holder warding to the ap luct in itself.	aste should b on measures <u>14/955/EU:</u> nal regulation of the residu	be handled and disposed in , see section 8. Ins.The classification of e responsible for their
13.1	Not available. - Photochemical ozone creation potential: Not available. - Earth global warming potential: In case of fire or incineration liberates CO2. 13: DISPOSAL CONSIDERATIONS WASTE TREATMENT METHODS:Directive 20 Take all necessary measures to prevent the produc Do not discharge into drains or the environment, di accordance with current local and national regulati Disposal of empty containers:Directive 94/62/E Emptied containers and packaging should be disport packaging as hazardous waste will depend on the classification, in accordance with Chapter 15 01 of contaminated containers and packaging, adopt the Procedures for neutralising or destroying the pend	tion of waste whenever possibl spose at an authorised waste c ons. For exposure controls and C~2015/720/EU, Decision 20 osed in accordance with current degree of empting of the same, Decision 2000/532/EC, and for same measures as for the proc roduct:	e. Analyse possil ollection point. W personal protecti 000/532/EC~20 ly local and natio being the holder warding to the ap luct in itself.	aste should b on measures <u>14/955/EU:</u> nal regulation of the residu	be handled and disposed in , see section 8. Ins.The classification of e responsible for their
13.1	Not available. - Photochemical ozone creation potential: Not available Earth global warming potential: In case of fire or incineration liberates CO2. 13: DISPOSAL CONSIDERATIONS WASTE TREATMENT METHODS:Directive 20 Take all necessary measures to prevent the produc Do not discharge into drains or the environment, di accordance with current local and national regulati Disposal of empty containers:Directive 94/62/E Emptied containers and packaging should be dispop packaging as hazardous waste will depend on the classification, in accordance with Chapter 15 01 of contaminated containers and packaging, adopt the Procedures for neutralising or destroying the p Controlled incineration in special facilities for chem	tion of waste whenever possibl spose at an authorised waste c ons. For exposure controls and C~2015/720/EU, Decision 20 osed in accordance with current degree of empting of the same, Decision 2000/532/EC, and for same measures as for the proc roduct:	e. Analyse possil ollection point. W personal protecti 000/532/EC~20 ly local and natio being the holder warding to the ap luct in itself.	aste should b on measures <u>14/955/EU:</u> nal regulation of the residu	be handled and disposed in , see section 8. Ins.The classification of e responsible for their
13.1 SECTION	Not available. - Photochemical ozone creation potential: Not available. - Earth global warming potential: In case of fire or incineration liberates CO2. 13: DISPOSAL CONSIDERATIONS WASTE TREATMENT METHODS:Directive 20 Take all necessary measures to prevent the produc Do not discharge into drains or the environment, di accordance with current local and national regulati Disposal of empty containers:Directive 94/62/E Emptied containers and packaging should be disport packaging as hazardous waste will depend on the classification, in accordance with Chapter 15 01 of contaminated containers and packaging, adopt the Procedures for neutralising or destroying the p Controlled incineration in special facilities for chemical N 14: TRANSPORT INFORMATION	tion of waste whenever possibl spose at an authorised waste c ons. For exposure controls and C~2015/720/EU, Decision 20 osed in accordance with current degree of empting of the same, Decision 2000/532/EC, and for same measures as for the proc roduct:	e. Analyse possil ollection point. W personal protecti 000/532/EC~20 ly local and natio being the holder warding to the ap luct in itself.	aste should b on measures <u>14/955/EU:</u> nal regulation of the residu	be handled and disposed in , see section 8. Ins.The classification of e responsible for their
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		STAR LACK BARNIZ HS 4050 PLUS	
	CAR REPAIR SYSTEM	Code : 5009-001022	
ersio		Date of issue: 31/08/2023	Date of printing: 31/08/20
	•		
	- Class: - Packing group:		
	- Emergency Sheet		
	- First Aid Guide (M	IFAG): 310,313	
	- Marine pollutant:	No.	
	- Transport docume	ent: Shipping Bill of lading.	
		CAO/IATA 2021):	
	- Class:	3	
	- Packing group:	ů i i i i i i i i i i i i i i i i i i i	
	- Transport docume	ent: Air Bill of lading.	
	Transport by inlar	nd waterways (ADN):	
	Not available	iu waterways (ADN).	
4.4	PACKING GROU	P:	
	See section 14.3		
4.5	ENVIRONMENTA	AL HAZARDS.	
4.5	Not applicable.		
4.6		UTIONS FOR USER:	
		s transporting the product know what to do in case of accident or spill. Alwa	ays transport in closed containers that are
		Ensure adequate ventilation.	
4.7		SPORT IN BULK ACCORDING TO IMO INSTRUMENTS:	
	Not applicable.		
CTIO	N 15: REGULATORY	INFORMATION	
5.1	SAFETY, HEALT	H AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIF	IC FOR THE SUBSTANCE OR MIXTUR
0.1		plicable to this product generally are listed throughout this Safety Data She	
		anufacture, placing on market and use:	
		anulaciule, placing on market and use.	
	See section 1.2		
	Tactile warning of		
		duct for professional or industrial use).	
	Child safety prote		
	Not applicable (pro	duct for professional or industrial use).	
	OTHER REGULA	TIONS:	
	Not available.		
	Control of the risk	<u>s inherent in major accidents (Seveso III):</u>	
	See section 7.2		
	Other local legisla	tions:	
		I verify the possible existence of local regulations applicable to the chemic	
			di.
5.2		TY ASSESSMENT:	
	A chemical safety a	ssessment has not been carried out for this mixture.	

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TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:
Hazard statements according the Regulation (EU) No. 1272/2008~2021/849 (CLP). Annex III: H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallow and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Ca serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H400 V toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH0 Repeated exposure may cause skin dryness or cracking. H361f Suspected of damage fertility. H373 May cause damage to hearing or through prolonged or repeated exposure if inhaled.
Notes related to the identification, classification and labelling of the substances or mixtures:
Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case supplier must state on the label whether the substance is a specific isomer or a mixture of isomers. Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.
EVALUATION OF THE INFORMATION ON THE DANGER OF MIXTURES:
See sections 9.1, 11.1 and 12.1.
ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:
It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of Safety Data Sheets and labelling of products as well.
MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:
 European Chemicals Agency: ECHA, http://echa.europa.eu/ Access to European Union Law, http://eur-lex.europa.eu/ Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970). Threshold Limit Values, (AGCIH, 2021).
 European agreement on the international carriage of dangerous goods by road, (ADR 2023). International Maritime Dangerous Goods Code IMDG including Amendment 40-20 (IMO, 2020). <u>ABBREVIATIONS AND ACRONYMS:</u>
List of abbreviations and acronyms that can be used (but not necessarily used) in this Safety Data Sheet:
 REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals. GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations. CLP: European regularion on Classificatin, Labelling amd Packaging of substances and chemical mixtures. EINECS: European Inventory of Existing Commercial Chemical Substances. ELINCS: European List of Notified Chemical Substances.
· CAS: Chemical Abstracts Service (Division of the American Chemical Society).
· UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials.
· SVHC: Substances of Very High Concern. · PBT: Persistent, bioaccumulable and toxic substances.
· vPvB: Very persistent and very bioaccumulable substances.
· VOC: Volatile Organic Compounds.
· DNEL: Derived No-Effect Level (REACH).
· PNEC: Predicted No-Effect Concentration (REACH). · LC50: Lethal concentration, 50 percent.
· LD50: Lethal dose, 50 percent.
UN: United Nations Organisation.
ADR: European agreement concerning the international carriage of dangeous goods by road.
RID: Regulations concerning the international transport of dangeous goods by rail.
 IMDG: International Maritime code for Dangerous Goods. IATA: International Air Transport Association.
· ICAO: International Civil Aviation Organization.
SAFETY DATA SHEET REGULATIONS:
Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2020/8
HISTORIC: REVISION:
Version: 1 31/08/2023

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users" working conditionsare beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product"s properties.

SAFETY DATA SHEET (REA	CH)
In accordance with Regulation (EC) No.	1907/2006 and Regulation (EU) No. 2020/878

CAR REPAIR System

	STAR LACK HARDENER UHS 1030 STANDARD Code : 5009-001198		
Date	of issue: 31/08/2023	Date of printing: 31/08/2023	
ION OF	THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	3	

ersio	n: 1 Date o	of issue: 31/08/2023						
ECTIO	N 1: IDENTIFICATION OF 1	THE SUBSTANCE/MIXTURE AND	OF THE (COMPANY/UNDERTAKI	NG			
1.1	PRODUCT IDENTIFIEF							
	STAR LACK HARDENER Code : 5009-001198	UHS 1030 STANDARD UFI: 30T4-VXRD-7T02-PEKW						
.2	RELEVANT IDENTIFIE	D USES OF THE SUBSTANCE						
	Intended uses (main technical functions): [X] Industrial [X] Professional [] Consumers Catalyst.							
	Sectors of use:							
	Professional uses (SU22).							
	Types of PCN use:							
	· ·	cal or technical processes.						
	Uses advised against: This product is not recome "Intended or identified use	mended for any use or sector of use	e (industri	al, professional or consu	mer) other than those	previously listed as		
		cture, placing on market and use	<u>, accordi</u>	ng to Annex XVII of Re	egulation (EC) No. 1	<u>907/2006:</u>		
.3		PLIER OF THE SAFETY DATA	SHEET:					
	CAR REPAIR SYSTEM	S.A.						
		José Muñoz 6 - 18320 Santa Fe - G		SPAÑA				
		8431792 - www.carrepairsystem.eu						
		person responsible for the Safety	/ Data S	<u>heet:</u>				
4	info@carrepairsystem.eu EMERGENCY TELEPH							
.4		0-14 / 15-18 h. V 8:30-14:30 h.						
		oisons Information Service (NPIS) -	In Engla	nd Wales or Scotland d	ial 111 - In N Ireland [.] (contact your local GP		
		t during normal hours.	in Engla			Soniaet year looar Or		
CTIO	N 2 : HAZARDS IDENTIFIC							
		ATION						
.1	CLASSIFICATION OF Classification of mixtures available, generally is car extrapolation methods of information which would a	THE SUBSTANCE OR MIXTURE is carried out in accordance with the ried out based on these data, b) in assessing the risk, using the availab allow to apply interpolation or extrap	e following the abser ble data fo	nce of data (tests) for mix or mixtures similarly class	tures are generally us sified, and c) in the at	sed interpolation or osence of tests and		
	CLASSIFICATION OF Classification of mixtures available, generally is car extrapolation methods of information which would a data of the individual com Classification in accorda	THE SUBSTANCE OR MIXTURE is carried out in accordance with the ried out based on these data, b) in assessing the risk, using the availat allow to apply interpolation or extrap ponents in the mixture. ance with Regulation (EU) No. 12	e following the abser ble data fo olation te 272/2008	nce of data (tests) for mix or mixtures similarly class chniques, methods are u 3~2021/849 (CLP):	<pre>ktures are generally us sified, and c) in the at used to classify risk as</pre>	sed interpolation or osence of tests and sessment based on t		
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	CLASSIFICATION OF Classification of mixtures available, generally is carr extrapolation methods of information which would a data of the individual com Classification in accorda WARNING:Flam. Liq. 3:H Danger class	THE SUBSTANCE OR MIXTURE is carried out in accordance with the ried out based on these data, b) in assessing the risk, using the availat allow to apply interpolation or extrap ponents in the mixture. ance with Regulation (EU) No. 12 226 Acute Tox. (inh.) 4:H332 Skin S	e following the abser ole data fo olation te 272/2008 Sens. 1:H	oce of data (tests) for mix or mixtures similarly class chniques, methods are u 3~2021/849 (CLP): 317 STOT SE (irrit.) 3:H3	tures are generally us sified, and c) in the at sed to classify risk as 335 STOT SE (narcos	sed interpolation or osence of tests and sessment based on t is) 3:H336 EUH066		
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	CLASSIFICATION OF Classification of mixtures available, generally is carrextrapolation methods of a information which would a data of the individual com Classification in accorda WARNING:Flam. Liq. 3:H Danger class Physicochemical: Human health: Variable Full text of hazard statements: Note: When in section 3 a concentration of each com LABEL ELEMENTS: - Hazard statements: H226 H335 H336 H317 EUH066 - Precautionary statements P210 K	THE SUBSTANCE OR MIXTURI is carried out in accordance with the risk using the availat allow to apply interpolation or extrap ponents in the mixture. ance with Regulation (EU) No. 11 226 Acute Tox. (inh.) 4:H332 Skin S Classification of the mixture STOT SE (irrit.) 3:H335 c) STOT SE (intrit.) 3:H335 c) STOT SE (intrit.) 3:H336 c EUH066 c) This product is labe Th	e following the abser- ble data fo olation te 272/2008 Sens. 1:H Cat. Cat.3 Cat.4 Cat.1 Cat.3) Cat.3 - on 16. health an- alue. elled with 49 (CLP) dryness sparks, op	the signal word WARNIN or cracking. ben flames and other ign	Atures are generally us sified, and c) in the at used to classify risk as 335 STOT SE (narcos Target organs - Skin Respiratory tract CNS Skin describe the effects of NG in accordance with	eed interpolation or osence of tests and sessment based on t is) 3:H336 EUH066 Effects - Harmful Allergy Irritation Narcosis Dryness, Crackir of the highest		

	CAR REPAIR SYSTEM	STAR LACK HARDENER UHS 1030 STANDARD Code : 5009-001198		
ersion	n: 1 D	ate of issue: 31/08/2023	Date	of printing: 31/08/20
	P333+P313 P501 <u>- Supplementary s</u>	If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container to hazardous or special waste collection point. tatements:		
	<u>- Substances that</u> HDI oligomers, isoc n-butyl acetate	<u>contribute to classification:</u> yanurate		
	Heptan-2-one			
.3	OTHER HAZARDS Hazards which do n - Other physicoche	ot result in classification but which may contribute to the overall hazards of the mixt	ure:	
	- Other adverse hu	with air a mixture potentially flammable or explosive. <u>Iman health effects:</u> nay cause skin dryness. People with hypersensitive respiratory tract (by instance, a	asthma or chronic	al bronchitis)
	should not handle th - Other negative e	nis product. <u>nvironmental effects:</u>		a broncinus)
	Endocrine disrupti	bstances that fulfil the PBT/vPvB criteria. <u>ng properties:</u> ot contain substances with endocrine disrupting properties identified or under evalu	lation.	
CTION	· ·	NFORMATION ON INGREDIENTS		
.1	SUBSTANCES: Not applicable (mixt	ure).		
2	MIXTURES: This product is a mix Chemical descripti	xture.		
	Solution of HDI oligo			
	HAZARDOUS INC	REDIENTS:		
		part in a percentage higher than the exemption limit:		
	60 < C ≤ 70 %	HDI oligomers, isocyanurate CAS: 28182-81-2, EC: 931-274-8, REACH: 01-2119485796-17 CLP: Warning: Acute Tox. (inh.) 4:H332 (ATE=11000 mg/m3) Skin Sens. 1:H317 STOT SE (irrit.) 3:H335	Autoclassified REACH	
	10 < C ≤ 15 %	n-butyl acetate F CAS: 123-86-4, EC: 204-658-1, REACH: 01-2119485493-29 CLP: Warning: Flam. Liq. 3:H226 STOT SE (narcosis) 3:H336 EUH066	REACH / ATP01	
	10 < C < 15 %	Heptan-2-one CAS: 110-43-0, EC: 203-767-1, REACH: 01-2119902391-49 CLP: Warning: Flam. Liq. 3:H226 Acute Tox. (inh.) 4:H332 (ATE=16700 mg/m3) Acute Tox. (oral) 4:H302 (ATE=1670 mg/kg) STOT SE (narcosis) 3:H336	REACH	
	C ≤ 0,05 %	Hexamethylene-1,6-diisocyanate CAS: 822-06-0, EC: 212-485-8, REACH: 01-2119457571-37 CLP: Danger: Acute Tox. (inh.) 1:H330 (ATE=124 mg/m3) Acute Tox. (oral) 4:H302 (ATE=738 mg/kg) Skin Irrit. 2:H315 Eye Irrit. 2:H319 Resp. Sens. 1:H334 Skin Sens. 1:H317 STOT SE (irrit.) 3:H335	REACH	Resp. Sens. 1, H3 C ≥0, Skin Sens. 1, H3 C ≥0,
	Stabilizers:	ner components or impurities which will influence the classification of the product.		
		<u>r sections:</u> n on hazardous ingredients, see sections 8, 11, 12 and 16. <u>F VERY HIGH CONCERN (SVHC):</u>		
	List updated by ECH Substances SVHC None.	A on 14/06/2023. subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907	<u>7/2006:</u>	
	None.	candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:	IOACCUMULAE	LE VPVB
	SUBSTANCES:	bstances that fulfil the PBT/vPvB criteria.		

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SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention.Never give anything by mouth to an unconscious person.Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure.Wear protective gloves when administering first aid.

1	Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
	•		
	Inhalation:	Inhalation of solvent vapours may produce headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.Inhalation produces irritation to	Remove the patient out of the contaminated area into fresh air.If breathing is irregular or stops, administer artificial respiration.If the person is unconscious, place appropriate recovery position.Keep the patient warm a
	▼	mucus, coughing and breathlessness.	at rest until medical attention arrives.
	Skin:	Skin contact causes redness.Prolonged contact may cause skin dryness.	Remove immediately contaminated clothing.Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable sl cleanser.Do not use solvents or thinners.
	Eyes:	Contact with the eyes produces redness and pain.	Remove contact lenses.Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart.If irritation persists, consult a physician.
	Ingestion:	If swallowed, may cause irritation of the throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea.	Do not induce vomiting, due to the risk of aspiration.Keep the patient at rest.
	MOST IMPORTANT SYMP	TOMS AND EFFECTS, BOTH ACUTE AND DE	LAYED:
	The main symptoms and effect	cts are indicated in sections 4.1 and 11.1	
	INDICATION OF ANY IMM	EDIATE MEDICAL ATTENTION AND SPECIAL	TREATMENT NEEDED:
	Notes to physician:		
	Treatment should be directed	at the control of symptoms and the clinical condition	of the patient
	Antidotes and contraindicat	ions:	
	Specific antidote not known.		
ON	5: FIREFIGHTING MEASURE	S	
Т	EXTINGUISHING MEDIA:)		
	Extinguishing powder or CO2		
		NG FROM THE SUBSTANCE OR MIXTURE:	
	As consequence of combustic	on or thermal decomposition, hazardous products ma apors, traces of hydrocyanic acid.Exposure to combu	y be produced: carbon monoxide, Carbon dioxide, stion or decomposition products may be a hazard to
	ADVICE FOR FIREFIGHTE	<u>RS:</u>	
	Special protective equipme	<u>nt:</u>	
	protective glasses or face may	re, heat-proof protective clothing may be required, ap sks and boots.If the fire-proof protective equipment is afe distance.The standard EN469 provides a basic le	not available or is not being used, combat fire from a
	Other recommendations:		
	Cool with water the tanks, cist fighting residue to enter drains	erns or containers close to sources of heat or fire.Be	ar in mind the direction of the wind.Do not allow fire-

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	ON 6: ACCIDENTAL RELEASE MEASURES	
6.1	PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT	AND EMERGENCY PROCEDURES:
	breathing vapours.Keep people without protection in opposition	ntilate the area. Do not smoke.Avoid direct contact with this product.Avo to the wind direction.
6.2	ENVIRONMENTAL PRECAUTIONS:	
	lakes, rivers or sewages, inform the appropriate authorities in ac	
6.3	METHODS AND MATERIAL FOR CONTAINMENT AND C	
	area should be cleaned up immediately with a suitable decontar or isopropanol and concentrated ammonia solution (d=0,880) = is made up of water and sodium carbonate = 95/5 parts by weig several days in an un-sealed container until no further reaction of	erials (earth, sand, vermiculite, diatomaceous earth, etc). The contamin ninant. One possible (flammable) decontaminant comprises: water, etha 45/50/5 parts by volume. Another possible (non-flammable) decontamin ht. Add the same decontaminant to any residues and allow to stand for pccurs. Keep the remains in a closed container.
6.4	REFERENCE TO OTHER SECTIONS:	
	For contact information in case of emergency, see section 1.	
	For information on safe handling, see section 7. For exposure controls and personal protection measures, see se	action 8
	For waste disposal, follow the recommendations in section 13.	
ECTIO	ON 7: HANDLING AND STORAGE	
	PRECAUTIONS FOR SAFE HANDLING:	
7.1	Comply with the existing legislation on health and safety at work	
	- General recommendations:	
	Use in areas free from sources of ignition and away from heat o	r electrical sources Do not smoke Avoid any type of leakage or
	escape.Keep the container tightly closed.	relectical sources. Do not sinoke. Avoid any type of leakage of
	- Recommendations for the prevention of fire and explosion	n risks:
	Vapours are heavier than air, may spread along floors to a cons distant ignition sources and flame up or explode Due to its flamr	derable distance, can form explosive mixtures with air and are able to re nability, this material should only be used in areas from which all naked ay from other heat or electrical sources.Switch mobile phones off and do
	smoke.No tools with a potential for sparks should be used.	······································
	Flashpoint	27 °C (Pensky-Martens) CLP 2.6.4.3.
	Autoignition temperature:	Not applicable (do not sustain combustion).
	Lower/upper flammability or explosive limits:	1,2 - 15,0 % Volume 25°C
	- Recommendations for the prevention of toxicological risks	
		espiratory disease should not be employed in any process in which oke while handling.After handling, wash hands with soap and water. Fou n 8.
	- Recommendations for the prevention of environmental co	
	It is not considered a danger to the environment. In the case of	
7.2	CONDITIONS FOR SAFE STORAGE, INCLUDING ANY I	
	should be stored isolated from heat and electrical sources. Do n Avoid extreme humidity conditions. Precautions should be taker may be formed which, in closed containers can result in pressur to the sensitivity to humidity of the isocyanates, this product sho	drink and animal foodstuffs. Keep out of reach of children. This product ot smoke in storage area. If possible, avoid direct contact with sunlight. to minimise exposure to atmospheric humidity or water, as carbon diox isation. Care should be taken when re-opening partly used containers. I uld be kept in the original container, or under pressure of dried nitrogen, hould be closed carefully and placed in a vertical position. For more
	- Class of store:	
	According to current legislation.	
	- Maximum storage period:	
	6 Months.	
	- Temperature interval:	
	min:5 °C, max:40 °C (recommended).	
		ts, acids, peroxides.Clean the application equipment with a compatible
	solvent.	
	- Type of packaging:	
	According to current legislation. <u>- Limit guantity (Seveso III): Directive 2012/18/EU:</u>	

HDI oligomers, isocyanurate

Heptan-2-one

ccordance with Regulation (EC	C) No. 1907/2006 and Regulation	n (EU) No. 2020/	878			(1	_anguage:		
CAR REPAIR SYSTEM	STAR LACK HARDENER (Code : 5009-001198	UHS 1030 STAN	IDARD			<	<u>کې (ا</u>		
rsion: 1 Da	te of issue: 31/08/2023					Date of printi	ng: 31/08/20		
	- Named dangerous substances/mixtures:None								
_	- Hazard categories and lower-/upperthreshold quantities in tonnes (t):								
 Physical hazards:Fla Health hazards:Not 	ammable liquid and vapour. (P applicable	5c) (5000t/5000	00t).						
· Environmental haza	rds:Not applicable								
Other hazards:Not a Threshold quantity f	ipplicable or the application of lower-tier i	roquiromonts:50	000 tons						
	or the application of upper-tier								
- Remarks:									
	ies set out above relate to eac								
	num quantities which are prese quantities equal to or less thar								
	ent, if their location within an e								
	or more details, see note 4 of A	Annex I of the S	eveso Directive	Э.					
3 SPECIFIC END US									
	oduct particular recommendation	•	nat already ind	icated are not	available.				
CONTROL PARAM		HON							
	ngredients with exposure limits	s, may be neces	ssarv a person	nel monitorina.	work place or	biological, to de	termine th		
effectiveness of the v	entilation or other control meas	sures and/or the	e necessity to u	ise respiratory	protective equi	pment. Referen	ce should		
	4042 and EN482 standard con								
determination of dance	and biological agents. Referer aerous substances.	ice should be a	iiso made to na	alional guidanc			le		
	EXPOSURE LIMIT VALUES	S (WEL)							
EH40/2005 WELs (U	nited Yea	ar WEL-TWA		WEL-STEL		Remarks			
Kingdom) 2018		ppm	mg/m3	ppm	mg/m3				
n-butyl acetate	201		237		713				
Heptan-2-one Hexamethylene-1,6-d	liisocyanate 198		233 0,034		-		BM		
guidance value need	s to be conducted on a volunta			neu consent or	an concerned)	•			
- BIOLOGICAL LIM	IT VALUES:								
Not established									
	FECT LEVEL (DNEL):								
	Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances								
	included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of								
	s are derived by a process diff								
- DERIVED NO-EFFEC		DNEL Inhalatio	<u>on</u>	DNEL Cutaneou mg/kg bw/d	IS	DNEL Oral mg/kg bw/d			
Systemic effects, acute			((-)		((-)		(-)		
HDI oligomers, isocyanu	irate	s/r (a) 1516 (a)	s/r (C)	s/r (a) s/r (a)	s/r (C)	– (a) – (a)	– (c) – (c)		
Heptan-2-one n-butyl acetate		960 (a)	394,25 (c) 480 (c)	11 (a)	54,27 (c) 11 (c)	- (a)	- (c)		
Hexamethylene-1,6-diis	ocvanate	0,07 (a)	0.035 (c)	- (a)	- (c)	- (a)	- (c)		
	T LEVEL, WORKERS:- Local	DNEL Inhalatio	,	DNEL Cutaneou		DNEL Eyes	()		
effects, acute and chron		mg/m3	_	mg/cm2	_	mg/cm2			
HDI oligomers, isocyanu	urate	1 (a)	0,5 (c)	a/r (a)	a/r (c)	s/r (a)	- (c)		
Heptan-2-one		s/r (a)	s/r (C)	s/r (a)	s/r (c)	s/r (a)	(•)		
n-butyl acetate		0,1 (u)					- (c)		
		960 (a)	480 (c)	s/r (a)	s/r (c)	s/r (a)			
Hexamethylene-1,6-diis	ocyanate		480 (c) 0,035 (c)	s/r (a) - (a)	s/r (c) - (c)	s/r (a) - (a)	- (c)		
	•	960 (a)					- (c) - (c)		
- Derived no-effect I	evel, general population:	960 (a) 0,07 (a)					- (c) - (c)		
<u>- Derived no-effect</u> Not applicable (produ (a) - Acute, short-term	evel, general population: ct for professional or industrial n exposure, (c) - Chronic, long-	960 (a) 0,07 (a) use). term or repeate	0,035 (c)				- (c) - (c)		
<u>- Derived no-effect I</u> Not applicable (produ (a) - Acute, short-term (-) - DNEL not availab	evel, general population: ct for professional or industrial n exposure, (c) - Chronic, long- ole (without data of registration	960 (a) 0,07 (a) use). term or repeate	0,035 (c)				- (c) - (c)		
<u>- Derived no-effect</u> Not applicable (produ (a) - Acute, short-term (-) - DNEL not availab s/r - DNEL not derived	evel, general population: ct for professional or industrial n exposure, (c) - Chronic, long- ole (without data of registration d (not identified hazard).	960 (a) 0,07 (a) use). term or repeate	0,035 (c)				- (c) - (c)		
<u>- Derived no-effect</u> Not applicable (produ (a) - Acute, short-term (-) - DNEL not availab s/r - DNEL not derive a/r - DNEL not derive	evel, general population: ct for professional or industrial n exposure, (c) - Chronic, long- ole (without data of registration d (not identified hazard).	960 (a) 0,07 (a) use). term or repeate REACH).	0,035 (c)				- (c) - (c)		
- Derived no-effect I Not applicable (produ (a) - Acute, short-term (-) - DNEL not availab s/r - DNEL not derived a/r - DNEL not derived - PREDICTED NO-	evel, general population: ct for professional or industrial n exposure, (c) - Chronic, long- ole (without data of registration d (not identified hazard). d (high hazard). EFFECT CONCENTRATION	960 (a) 0,07 (a) use). term or repeate REACH).	0,035 (c)				- (c) - (c) - (c)		
- Derived no-effect I Not applicable (produ (a) - Acute, short-term (-) - DNEL not availab s/r - DNEL not derive a/r - DNEL not derive - PREDICTED NO-EF AQUATIC ORGANIS	evel, general population: ct for professional or industrial n exposure, (c) - Chronic, long- ole (without data of registration d (not identified hazard). d (high hazard). EFFECT CONCENTRATION, FECT CONCENTRATION, MS:- Fresh water, marine	960 (a) 0,07 (a) use). term or repeate REACH).	0,035 (c)	- (a)		- (a)	- (c) - (c) - (c)		
- Derived no-effect I Not applicable (produ (a) - Acute, short-term (-) - DNEL not availab s/r - DNEL not deriver a/r - DNEL not deriver - PREDICTED NO-Eff - PREDICTED NO-Eff	evel, general population: ct for professional or industrial n exposure, (c) - Chronic, long- ole (without data of registration d (not identified hazard). d (high hazard). EFFECT CONCENTRATION, FECT CONCENTRATION, MS:- Fresh water, marine	960 (a) 0,07 (a) use). term or repeate REACH). <u>V (PNEC):</u> <u>PNEC Fresh w</u>	0,035 (c)	- (a)		- (a)	- (c) - (c) - (c)		

0.127

0.0982

0.0127

0.00982

1.27

0.982

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	0.18	0.018	0.36
n-butyl acetate Hexamethylene-1,6-diisocyanate	0.0774	0.00774	0.774
- WASTEWATER TREATMENT PLANTS (STP)	PNEC STP	PNEC Sediments	PNEC Sediments
AND SEDIMENTS IN FRESH- AND MARINE	mg/l	mg/kg dw/d	mg/kg dw/d
WATER:			
HDI oligomers, isocyanurate	38.3	266700	26670
Heptan-2-one	12.5	1.89	0.189
n-butyl acetate	35.6	0.981	0.0981
Hexamethylene-1,6-diisocyanate	8.42	0.01334	0.001334
- PREDICTED NO-EFFECT CONCENTRATION,	PNEC Air	PNEC Soil	PNEC Oral
TERRESTRIAL ORGANISMS:- Air, soil and	mg/m3	mg/kg dw/d	mg/kg dw/d
effects for predators and humans:			
HDI oligomers, isocyanurate	s/r	53182	n/b
Heptan-2-one	s/r	0.321	n/b
n-butyl acetate	s/r	0.0903	n/b
Hexamethylene-1,6-diisocyanate (-) - PNEC not available (without data of registrat	-	0.0026	-
s/r - PNEC not derived (not identified hazard). EXPOSURE CONTROLS: ENGINEERING MEASURES:			
👥 🔍 📩 🏯 🛛 🐞 👬 Provid		Where reasonably practicable entilation and good general extension and general extension and good general extension and good general extension and general extension an	
by the are not	t sufficient to maintain	concentrations of particulates s, suitable respiratory protect	
by the are not	t sufficient to maintain		
by the are not Occup - Protection of respiratory system:	t sufficient to maintain		
by the are not Occup - Protection of respiratory system:	t sufficient to maintain		
by the are not Occup <u>- Protection of respiratory system:</u> Avoid the inhalation of vapours. <u>- Protection of eyes and face:</u>	t sufficient to maintain (ational Exposure Limit	s, suitable respiratory protect	ion must be worn.
by the are not Occup <u>- Protection of respiratory system:</u> Avoid the inhalation of vapours. <u>- Protection of eyes and face:</u>	t sufficient to maintain (ational Exposure Limit	s, suitable respiratory protect	ion must be worn.
by the are not Occup <u>- Protection of respiratory system:</u> Avoid the inhalation of vapours. <u>- Protection of eyes and face:</u> It is recommended to install water taps, sources or ey <u>- Protection of hands and skin:</u>	t sufficient to maintain o ational Exposure Limits yewash bottles with clean th clean water close to th	s, suitable respiratory protect water close to the working area e working area.Barrier creams r	ion must be worn. a.
by the are not Occup <u>Protection of respiratory system:</u> Avoid the inhalation of vapours. <u>Protection of eyes and face:</u> It is recommended to install water taps, sources or ey <u>Protection of hands and skin:</u> It is recommended to install water taps or sources with the second	t sufficient to maintain of ational Exposure Limits yewash bottles with clean th clean water close to th be applied once exposur	s, suitable respiratory protect water close to the working area e working area.Barrier creams r e has occurred.	ion must be worn. a.

Mask:	For short periods of work, you can consider the utilisation of a combination mask with gas and particle filters, type A2-P2 (EN14387/EN143).In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers.If the working area is insufficiently ventilated, or when operators, whether spraying or not, are inside the spraybooth,
Safety goggles:	Safety goggles designed to protect against liquid splashes, with suitable lateral protection ✓ (EN166).Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.
Face shield:	No.
Gloves:	Gloves resistant against chemicals (EN374). When repeated or prolonged contact with the product is expected, gloves of protection level 5 or higher should be used, with a breakthrough time of >240 min. When short contact with the product is expected, use gloves with a protection level 2 or higher should be used, with a breakthrough time >30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when any sign of degradation is noted.
Boots:	No.
Apron:	No.
Clothing:	No.
- Thermal hazards:	1

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Not applicable (the product is handled at room temperatu ENVIRONMENTAL EXPOSURE CONTROLS:	re).				
Avoid any spillage in the environment. Avoid any release into the atmosphere.					
Avoid any spillage in the environment. Avoid any release into the atmosphere. <u>- Spills on the soil:</u> Prevent contamination of soil.					
Do not allow to escape into drains, sewers or water cours	ses.				
-Water Management Act:					
	the list of priority substances in the field of water policy under D	irective			
2000/60/EC~2013/39/EU.					
- Emissions to the atmosphere:					
Because of volatility, emissions to the atmosphere while h	nandling and use may result. Avoid any release into the atmosp	here.			
ON 9: PHYSICAL AND CHEMICAL PROPERTIES					
INFORMATION ON BASIC PHYSICAL AND CHEMI	CAL PROPERTIES:				
Appearance					
Physical state:	Liquid				
Colour:	Colourless				
Odour:	Characteristic				
Odour threshold:	Not available (mixture).				
Change of state	- \				
Melting point:	Not available (mixture).				
Initial boiling point:	Not applicable.				
- Flammability:					
Flashpoint	27 °C (Pensky-Martens)	CLP 2.6.4.3.			
Lower/upper flammability or explosive limits:	1,20 - 15,00 % Volume 25°C	OLI 2.0.4.3.			
Autoignition temperature:	Not applicable (do not sustain combustion).				
Stability					
Decomposition temperature:	Not available (technical impossibility to obtain the				
	data).				
<u>pH-value</u>					
pH:	Not applicable (non-aqueous media).				
- Viscosity:					
Dynamic viscosity:	Not available.				
Kinematic viscosity:	Not available.				
- Solubility(ies):					
Solubility in water	Inmiscible				
Liposolubility:	Not applicable (inorganic product).				
Partition coefficient: n-octanol/water:	4,49* (as log Pow)				
- Volatility:					
Vapour pressure:	7,7853* mmHg at 20ºC				
Vapour pressure:	10,7 hPa at 20°C				
Vapour pressure:	6,4457* kPa at 50⁰C				
Evaporation rate:	Not available (lack of data).				
Density					
Relative density:	1,050* at 20/4°C	Relative wate			
Relative vapour density:	3,98* at 20°C 1 atm.	Relative air			
Particle characteristics					
Particle size:	Not applicable.				
- Explosive properties:					
- Explosive properties: Vapours can form explosive mixtures with air and are able to flame up or explode in presence of an ignition source.					
- Oxidizing properties:					
Not classified as oxidizing product.					
*Estimated values based on the substances composing the	he mixture.				
OTHER INFORMATION:					
Information regarding physical hazard classes					
Flammable liquids: Combustibility:	Do not sustain combustion.*				
Other security features:					
VOC (supply):	Not available.				
VOC (supply):	315,0 g/l				
Nonvolatile:	70,00 * % Weight	1h. 60ºC			
Isocyanates:	Not available.				
The values indicated do not always coincide with product	specifications. The data for the product specifications can be for ation concerning physical and chemical properties related to sa	ound in the			

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-	on: 1 Date of i	ssue: 31/08/2023			Date of printing: 31/08/20		
CTIO	ON 10: STABILITY AND REACT	IVITY					
0.1	REACTIVITY:						
	- Corrosivity to metals:						
	It is not corrosive to metals.						
	- Pyrophorical properties:						
	It is not pyrophoric.						
0.2	CHEMICAL STABILITY:						
	Stable under recommended	storage and handling co	onditions.				
0.3	POSSIBILITY OF HAZAR	DOUS REACTIONS:					
	Possible dangerous reaction alcohols. Reacts with water		nes, alcohols, oxidizing agents	, acids, peroxides.Exothermic	reaction with amines and		
0.4	CONDITIONS TO AVOID:						
	- Heat:						
	Keep away from sources of	heat.					
	- Light:						
	If possible, avoid direct conta	act with sunlight.					
	<u>- Air:</u>						
	The product is not affected b	y exposure to air, but s	hould not be left the containers	open.			
	- Humidity:						
	Avoid humidity.Not applicabl	e (the product is handle	ed at room temperature).				
	- Pressure:						
	Not relevant.						
	- Shock:						
			ommendation of a general natu				
0.5	=		the product is handled in large	quantities, and during loading	and download operation		
0.5	INCOMPATIBLE MATERI		idizina papete eside accesió	Clean the application and '	a ant with a same still.		
	Keep away from water, alkal solvent.	is, amines, alcohols, ox	idizing agents, acids, peroxide	s. clean the application equipm	nent with a compatible		
0.6	HAZARDOUS DECOMPC						
5.0			→ bus products may be produced.	including isocvanates			
	DN 11: TOXICOLOGICAL INFO		bus products may be produced	, melduling isocyanates.			
			nation is sucilable. The taxis				
			ration is available. The toxic				
4 4		carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2021/849 (CLP).					
1.1	1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008 :						
		ARD CLASSES AS D	EFINED IN REGULATION (EC) NO 1272/2008 :			
	ACUTE TOXICITY:		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	× <i>Y</i>		
	ACUTE TOXICITY: Dose and lethal concentra		DL50 (OECD401)	DL50 (OECD402)	CL50 (OECD4		
	ACUTE TOXICITY: Dose and lethal concentration for individual ingredients:	tions	DL50 (OECD401) mg/kg bw Oral	DL50 (OECD402) mg/kg bw Cutaneous	CL50 (OECD4 mg/m3·4h Inhala		
	ACUTE TOXICITY: Dose and lethal concentra for individual ingredients: HDI oligomers, isocyanura	tions	DL50 (OECD401) mg/kg bw Oral 2500 Rat	DL50 (OECD402) mg/kg bw Cutaneous > 2000 Rat	CL50 (OECD4 mg/m3·4h Inhala > 390		
	ACUTE TOXICITY: Dose and lethal concentra for individual ingredients: HDI oligomers, isocyanura Heptan-2-one	tions	DL50 (OECD401) mg/kg bw Oral 2500 Rat 1670 Rat	DL50 (OECD402) mg/kg bw Cutaneous > 2000 Rat 10300 Rabbit	CL50 (OECD4 mg/m3·4h Inhala > 390 > 16700		
	ACUTE TOXICITY: Dose and lethal concentra for individual ingredients: HDI oligomers, isocyanura Heptan-2-one n-butyl acetate	tions ite	DL50 (OECD401) mg/kg bw Oral 2500 Rat 1670 Rat 10768 Rat	DL50 (OECD402) mg/kg bw Cutaneous > 2000 Rat 10300 Rabbit 17600 Rabbit	CL50 (OECD4 mg/m3·4h Inhalat > 390 > 16700 > 23400		
	ACUTE TOXICITY: Dose and lethal concentra for individual ingredients: HDI oligomers, isocyanura Heptan-2-one n-butyl acetate Hexamethylene-1,6-diisoc	tions ite yanate	DL50 (OECD401) mg/kg bw Oral 2500 Rat 1670 Rat 10768 Rat 738 Rat	DL50 (OECD402) mg/kg bw Cutaneous > 2000 Rat 10300 Rabbit 17600 Rabbit 593 Rabbit	CL50 (OECD4 mg/m3·4h Inhalat > 390 > 16700 > 23400 > 124		
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STAR LACK HARDENER UHS 1030 STANDARD Code : 5009-001198



Version: 1

Date of issue: 31/08/2023

Eyes: Not classified	Not available.	Not classified as a product with acute toxicity by eye contact (lack of data).	GHS/CLP 1.2.5.
Ingestion: Not classified	ATE > 5000 mg/kg bw	Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.

GHS/CLP 3.1.3.6: Classification of mixtures based on ingredients of the mixture (additivity formula).

CORROSION / IRRITATION / SENSITISATION :

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
- Respiratory corrosion/irritation:	Respiratory tract	Cat.3	IRRITANT: May cause respiratory irritation.	GHS/CLP 1.2.6. 3.8.3.4.
- Skin corrosion/irritation: Not classified	-	-	Not classified as a product corrosive or irritant in contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.2.3.3.
- Serious eye damage/irritation: Not classified	-	-	Not classified as a product corrosive or irritant in contact with eyes (based on available data, the classification criteria are not met).	GHS/CLP 3.3.3.3.
- Respiratory sensitisation: Not classified	-	-	Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.
- Skin sensitisation:	Skin	Cat.1	SENSITISING: May cause an allergic skin reaction.	GHS/CLP 3.4.3.3.

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

- ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
- Aspiration hazard: Not classified	-		1 5	GHS/CLP 3.10.3.3.

GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all components or only for some components.

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Effects	SE/RE	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
 Respiratory effects: 	se	Respiratory tract	Cat.3	IRRITANT: May cause respiratory irritation.	GHS/CLP 3.8.3.4
- Cutaneous:	RE	Skin	-	DEFATTENING: Repeated exposure may cause skin dryness or cracking.	GHS/CLP 1.2.4.
- Neurological:	se 📢	CNS ·	Cat.3	NARCOSIS: May cause drowsiness or dizziness if inhaled.	GHS/CLP 3.8.3.4.

GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

CMR EFFECTS:

- Carcinogenic effects:

It is not considered as a carcinogenic product.

Genotoxicity:

It is not considered as a mutagenic product.

Toxicity for reproduction:

Does not harm fertility.Does not harm the unborn child.

- Effects via lactation:

Not classified as a hazardous product for children breast-fed.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE: Routes of exposure

May be absorbed by inhalation of vapour, through the skin and by ingestion.

CAR	STAR L	ACK HARDEN	IER UHS 1030 STANDARD		
CAR REPAIR SYSTEM	Code : 5	5009-001198			
rsion: 1	Date of issue	: 31/08/2023	3		Date of printing: 31/08/2
mucous mem eyes may cau described in th <u>- Long-term c</u> Repeated or p	olvent vapour conce orane and respirator se irritation and reve ne exposure to vapo or repeated exposu prolonged contact ma	y system irrita ersible damag urs. Causes s <u>ure:</u> ay cause rem	xcess of the stated occupational ex ation and adverse effects on kidney je.If swallowed, may cause irritation skin irritation. May cause respiratory oval of natural fat from the skin, res	s, liver and central nervous of the throat; other effects r / irritation. May cause drows	system.Liquid splashes in nay be the same as iness or dizziness.
INTERACTIN	in. Repeated exposition (<u>EEFFECTS:</u>	ure may caus	e skin dryness or cracking.		
Not available.					
- Dermal abs	sorption: on contains the follo		S, METABOLISM AND DISTRIB		e.
	_ INFORMATION:				
	properties of the iso		ent of this product and existing tech	nical data of similar prepara	tions,
Endocrine di	srupting properties loes not contain sub	<u>):</u>	endocrine disrupting properties ider	ntified or under evaluation.	
	information available	Э.			
CTION 12: ECOLOGI			ne preparation as such is availab		
(CLP).					
for individual		onment	CL50 (OECD 203) mg/l·96hours	CE50 (OECD 202 mg/l·48hours	mg/l⋅72h
- Acute toxicit for individual HDI oligomer Heptan-2-one	ingredients s, isocyanurate e	onment	100 - Fishes 131 - Fishes	`mg/ŀ48hours 100 - Daphnia 90 - Daphnia	e 1000 - A e 98 - A
- Acute toxicit for individual HDI oligomer Heptan-2-one n-butyl aceta	ingredients s, isocyanurate e		mg/⊡96hours 100 - Fishes	`mg/l·48hours 100 - Daphnia	e 1000 - A e 98 - A e 675 - A
- Acute toxicit for individual HDI oligomer Heptan-2-one n-butyl aceta Hexamethyle	ingredients s, isocyanurate e te	te	ng/i·96hours 100 - Fishes 131 - Fishes 18 - Fishes NOEC (OECD 210)	`mg/ŀ48hours 100 - Daphnia 90 - Daphnia 44 - Daphnia NOEC (OECD 21 ⁷	e 1000 - A e 98 - A e 675 - A 77 - A
- Acute toxicit for individual HDI oligomer Heptan-2-one n-butyl aceta Hexamethyle	ingredients s, isocyanurate e te ne-1,6-diisocyanat d effect concentrat	te	100 - Fishes 131 - Fishes 18 - Fishes	`mg/ŀ48hours 100 - Daphnia 90 - Daphnia 44 - Daphnia	e 1000 - A e 98 - A e 675 - A 77 - A I) NOEC (OECD 2 mg/1 - 72 h 43 - A
Acute toxicit for individual HDI oligomer Heptan-2-one n-butyl aceta Hexamethyle No observe Heptan-2-one n-butyl aceta	ingredients s, isocyanurate e te ne-1,6-diisocyanat d effect concentrat e te erved effect conce	te tion	ng/i·96hours 100 - Fishes 131 - Fishes 18 - Fishes NOEC (OECD 210)	mg/l·48hours 100 - Daphnia 90 - Daphnia 44 - Daphnia 44 - Daphnia NOEC (OECD 211 mg/l · 21 days	e 1000 - A e 98 - A e 675 - A 77 - A 1) NOEC (OECD mg/. 72 h 43 - A
Acute toxicit for individual HDI oligomer Heptan-2-one n-butyl aceta Hexamethyle No observe Heptan-2-one n-butyl aceta	ingredients s, isocyanurate e te ne-1,6-diisocyanat d effect concentrat e te erved effect conce	te tion entration	ng/i·96hours 100 - Fishes 131 - Fishes 18 - Fishes NOEC (OECD 210)	ng/l·48hours 100 - Daphnia 90 - Daphnia 44 - Daphnia NOEC (OECD 21 ² ng/l · 21 days 23 - Daphnia	e 1000 - A e 98 - A e 675 - A 77 - A 1) NOEC (OECD mg/. 72 h 43 - A
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SAFETY DATA SHEET (REACH)

Note: Biodegradability data correspond to an average of data from various bibliographic sources.

- Hydrolysis: Not available. - Photodegradability: Not available. 12.3 BIOACCUMULATIVE POTENTIAL: Not available. Bioaccumulation for individual ingredients logPow HDI oligomers, isocyanurate 5.54 12.3 Sioaccumulation for individual ingredients HDI oligomers, isocyanurate 5.54 12.4 MOBILITY IN SOIL: Not available 12.4 MOBILITY IN SOIL: Not available Mobility for individual ingredients log Poc Constant of Henry Parm3/mol 20°C Poter ID oligomers, isocyanurate 0 (calculated) Not available 0 (calculated) Mobility for individual ingredients 0 (calculated) Not available 0 (calculated) Mobility for individual ingredients 0 (calculated) n-butyl acetate 1.84 12.4 No bioaccumula		CAR REPAIR SYSTEM	STAR LACK HARDENE Code : 5009-001198	ER UHS 1030 STANDARD		
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SAFETY DATA SHEET	(REACH)
In accordance with Regulation (ÈC) No. 1907/2006 and Regulation (EU) No. 2020/878

	CAR REPAIR SYSTEM		CK HARDENER UHS 1030 STANDARD 09-001198	
ersion	:: 1	Date of issue:	31/08/2023	Date of printing: 31/08/2
	14: TRANSPORT	INFORMATION		
4.1	UN NUMBER O	R ID NUMBER:		
	1263			
4.2		HIPPING NAME:		
4.3		AZARD CLASS		
4.3		ad (ADR 2023) ai		
	Transport by rai			
	- Class:		3	
	- Packing group:			
	 Classification co Tunnel restrictio 		F1 (E)	
	- Transport catego		3, max. ADR 1.1.3.6. 1000 L	
	- Limited quantitie	es:	5 L (see total exemptions ADR 3.4)	
	 Transport docun Instructions in w 		Consignment paper. ADR 5.4.3.4	
	Transport by sea			
	- Class:	<u>a (imbo 10 20).</u>	3	
	- Packing group:		III	
	- Emergency She		F-E,S_E	
	 First Aid Guide (Marine pollutant 		310,313 No.	
	- Transport docun		Shipping Bill of lading.	
	Transport by air	(ICAO/IATA 202	<u>1):</u>	
	- Class:		3	
	 Packing group: Transport docum 	nont:	III Air Bill of lading.	
	- mansport docum	nent.	Air bin of lading.	
	Transport by inla	and waterways (/	ADN):	
4.4	PACKING GRO	UP:		
	See section 14.3			
4.5	ENVIRONMENT			
			ardous for the environment).	
4.6		AUTIONS FOR		
4.7	upright and secur	e. Ensure adequa	e product know what to do in case of accident or spill. Alw e ventilation. <u>KACCORDING TO IMO INSTRUMENTS:</u>	ays transport in closed containers that are
4.7	Not applicable.			
	15: REGULATOR			
5.1			DNMENTAL REGULATIONS/LEGISLATION SPECIF	FIC FOR THE SUBSTANCE OR MIXTU
0.1			oduct generally are listed throughout this Safety Data She	
	Restrictions on r	<u>manufacture, pla</u>	cing on market and use:	
	See section 1.2			
	Tactile warning			
		e classification cri	eria are not met).	
	Child safety prof	tection: le classification cri	coria are not mot)	
	OTHER REGUL		ena are not met).	
	Not available.			
	Control of the ris	<u>sks inherent in m</u>	a <u>jor accidents (Seveso III):</u>	
	See section 7.2			
	Other local legis			
			ble existence of local regulations applicable to the chemic	cal.
5.2		ETY ASSESSM		
	A chemical safety	assessment has	not been carried out for this mixture.	

Date of issue: 31/08/2023

CAR Repair System

Version: 1

STAR LACK HARDENER UHS 1030 STANDARD Code : 5009-001198





	N 16 : OTHER INFORMATION
.1	TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:
	<u>Hazard statements according the Regulation (EU) No. 1272/2008~2021/849 (CLP). Annex III:</u>
	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Fatal if inhaled. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking.
	Notes related to the identification, classification and labelling of the substances or mixtures:
	Note 2 : The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.
	EVALUATION OF THE INFORMATION ON THE DANGER OF MIXTURES:
	See sections 9.1, 11.1 and 12.1.
	ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:
	It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of Safety Data Sheets and labelling of products as well.
	MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:
	· European Chemicals Agency: ECHA, http://echa.europa.eu/
	· Access to European Union Law, http://eur-lex.europa.eu/
	· Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970). · Threshold Limit Values, (AGCIH, 2021).
	 European agreement on the international carriage of dangerous goods by road, (ADR 2023).
	· International Maritime Dangerous Goods Code IMDG including Amendment 40-20 (IMO, 2020).
	ABBREVIATIONS AND ACRONYMS:
	List of abbreviations and acronyms that can be used (but not necessarily used) in this Safety Data Sheet:
	 REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals. GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations. CLP: European regularion on Classificatin, Labelling amd Packaging of substances and chemical mixtures. EINECS: European Inventory of Existing Commercial Chemical Substances. ELINCS: European List of Notified Chemical Substances. CAS: Chemical Abstracts Service (Division of the American Chemical Society). UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials. SVHC: Substances of Very High Concern. PBT: Persistent, bioaccumulable and toxic substances. vPvB: Very persistent and very bioaccumulable substances. VOC: Volatile Organic Compounds.
	· DNEL: Derived No-Effect Level (REACH).
	· PNEC: Predicted No-Effect Concentration (REACH).
	 LC50: Lethal concentration, 50 percent. LD50: Lethal dose, 50 percent.
	· UN: United Nations Organisation.
	· ADR: European agreement concerning the international carriage of dangeous goods by road.
	· RID: Regulations concerning the international transport of dangeous goods by rail.
	· IMDG: International Maritime code for Dangerous Goods.
	· IATA: International Air Transport Association.
	· ICAO: International Civil Aviation Organization.
	SAFETY DATA SHEET REGULATIONS: Sefet: Data Sheet in general and with Article 24 of Degulation (EQ) No. 4007/2006 (DEACH) and Arnov of Degulation (EU) No. 2020/07
	Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2020/87
	HISTORIC: REVISION:
_	Version: 1 31/08/2023
ition: ling i	mation of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users" working sare beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining writter instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and n.The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered rantee of the product"s properties.