CAR REPAIR SYSTEM

QUICKCLEAR LACQUER GLOSS 400ML

Code : 5011-006050

Version: 1 **Date of issue: 30/11/2023** Date of printing: 30/11/2023

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER:

QUICKCLEAR LACQUER GLOSS 400ML
Code : 5011-006050 (CAS: 115-10-6 EC: 204-065-8) UFI: RG78-7QUG-E01K-SAN6

REACH REGISTER:

Register name:

Dimethyl ether

Register number:

01-2119472128-37

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Intended uses (main technical functions): [X] Industrial [X] Professional [X] Consumers

Propellant gas in aerosols.

Sectors of use (use as such or as a ingredient in mixtures):

Industrial manufacturing (SU3). Industrial.
Manufacture of bulk, large scale chemicals (SU8). Industrial.
Manufacture of fine chemicals (SU9). Industrial.
Formulation (mixing) of preparations and/or re-packaging (SU10). Industrial, Professional.
Manufacture of plastic products (SU12). Industrial, Professional.
Manufacture of other non-metallic mineral products (SU13). Industrial, Professional.
Building and construction work (SU19). Industrial, Professional, Consumers.
Consumer uses (SU21). Consumers.
Professional uses (SU22). Professional.
Other activities (See NACE codes) (SU0). Industrial, Professional, Consumers.

Use in manufacture, formulation or application processes (relevant uses):

Manufacture of the substance, Industrial.
Use as an intermediate and feedstock without strict control, Industrial.
Formulation of mixtures and/or re-packaging, Industrial.
Use as a fuel, Professional.
Use of blowing agents in manufacture of foam, Industrial, Professional.
Service life of foam article, Consumers.
Use of propellants, Industrial, Professional, Consumers.
Degreasing and/or drying agent of animal skins, Industrial.

Use in products (relevant product categories):

Adhesives, sealants (PC1). Air care products (PC3). Anti-freeze and de-icing products (PC4). Biocidal products (PC8). Coatings and paints, thinners, paint removers (PC9a). Metal surface treatment products (PC14). Non-metal surface treatment products (PC15). Intermediate (PC19). Laboratory chemicals (PC21). Leather tanning, dye, finishing, impregnation, leather care products (PC23). Lubricants, greases, release products (PC24). Metal-working fluids (PC25). Paper and board dye, finishing and impregnation products (PC26). Plant protection products (PC27). Pharmaceuticals (PC29). Polishes and wax blends (PC31). Polymer preparations and compounds (PC32). Textile dyes, finishing and impregnating products (PC34). Washing and cleaning products (PC35). Welding and soldering products (PC38). Cosmetics, personal care products (PC39).

Use in artícles (relevant article categories):

Plastic articles (AC13).

Uses advised against:

This product is not recommended for any use or sector of use (industrial, professional or consumer) other than those previously listed as "Intended or identified uses".

Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:

Not restricted.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

CAR REPAIR SYSTEM S.A.
Pol.Ind. 2 de Octubre, c/ José Muñoz 6 - 18320 Santa Fe - Granada ESPAÑA
Phone number: (+34) 95 8431792 - www.carrepairsystem.eu

- E-mail address of the person responsible for the Safety Data Sheet:

info@carrepairsystem.eu

1.4 EMERGENCY TELEPHONE NUMBER:

(+34) 95 8431792 L-J 8:30-14 / 15-18 h. V 8:30-14:30 h.

SECTION 2 : HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification in accordance with Regulation (EU) No. 1272/2008~2021/849 (CLP):

DANGER:Aerosol 1:H222|Skin Irrit. 2:H315|Eye Dam. 1:H318|STOT SE (narcosis) 3:H336|Aquatic Chronic 3:H412|EUH066|Aerosol 3:H229

Danger class	Classification of the substance	Cat.	Routes of exposure	Target organs	Effects
Physicochemical:	Aerosol 1:H222 Aerosol 3:H229	Cat.1 -	- -	- -	- -
Human health:	Skin Irrit. 2:H315 Eye Dam. 1:H318 STOT SE (narcosis) 3:H336 EUH066	Cat.2 Cat.1 Cat.3 -	Skin Eyes Inhalation Skin	Skin Eyes CNS Skin	Irritation Serious lesions Narcosis Dryness, Cracking
Environment:	Aquatic Chronic 3:H412	Cat.3	-	-	-

Full text of hazard statements mentioned is indicated in section 16.

2.2 LABEL ELEMENTS:

This product is labelled with the signal word DANGER in accordance with Regulation (EU) No. 1272/2008~2021/849 (CLP).

- Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

- Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50ºC/122ºF.
P501	Dispose of contents/container to hazardous or special waste collection point.

- Supplementary statements:

None

- Substances that contribute to classification:

Acetone (EC No. 200-662-2)
n-butyl acetate (EC No. 204-658-1)
Butan-1-ol (EC No. 200-751-6)
Hydrocarbons C9 aromatics (EC No. 918-668-5)

2.3 OTHER HAZARDS:

In high concentrations may have narcotic effects. In high concentrations may cause asphyxiation and the victim may not be aware of asphyxiation.

- Other physicochemical hazards:

No other relevant adverse effects are known.

- Other adverse human health effects:

No other relevant adverse effects are known.

- Other negative environmental effects:

Do not fulfil the PBT/vPvB criteria.

Endocrine disrupting properties:

This product does not contain substances with endocrine disrupting properties identified or under evaluation.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES:

This product is a substance.

Chemical description:

Dimethyl ether
CH3-O-CH3

INGREDIENTS:

30 < C ≤ 40 %	Dimethyl ether CAS: 115-10-6, EC: 204-065-8, REACH: 01-2119472128-37 CLP: Danger: Flam. Gas 1:H220 | Press. Gas (Liq.):H280	REACH	
10 < C ≤ 15 %	Acetone CAS: 67-64-1, EC: 200-662-2, REACH: 01-2119471330-49 CLP: Danger: Flam. Liq. 2:H225 | Eye Irrit. 2:H319 | STOT SE (narcosis) 3:H336 | EUH066	REACH / CLP00	
5 < C < 10 %	n-butyl acetate 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	
2,5 < C < 5 %	Butan-1-ol CAS: 71-36-3, EC: 200-751-6, REACH: 01-2119484630-38 CLP: Danger: Flam. Liq. 3:H226 | Acute Tox. (oral) 4:H302 (ATE=790 mg/kg) | Skin Irrit. 2:H315 | Eye Dam. 1:H318 | STOT SE (irrit.) 3:H335 | STOT SE (narcosis) 3:H336	REACH / ATP01	
2,5 < C < 5 %	Hydrocarbons C9 aromatics CAS: 64742-95-6, EC: 918-668-5, REACH: 01-2119455851-35 CLP: Danger: Flam. Liq. 3:H226 | STOT SE (irrit.) 3:H335 | STOT SE (narcosis) 3:H336 | Asp. Tox. 1:H304 | Aquatic Chronic 2:H411 | EUH066	Autoclassified REACH	
2,5 < C < 5 %	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 < 2 %	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 < 2 %	Reaction mass of ethylbenzene and m-xylene and p-xylene CAS: , EC: 905-562-9, REACH: 01-2119555267-33 CLP: Danger: Flam. Liq. 3:H226 | Acute Tox. (inh.) 4:H332 (ATE=11000 mg/m3) | Acute Tox. (skin) 4:H312 (ATE=1100 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	STOT RE 2, H373: C ≥10 %

Impurities:

Does not contain other components or impurities which will influence the classification of the product.

Stabilizers:

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:

Do not fulfil the PBT/vPvB criteria.

POP substances included in the (EU) REGULATION 2019/1021~2020/784 on persistent organic pollutants:

None.

3.2 MIXTURES:

Not applicable (substance).

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.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures

Inhalation:	Vapours may cause headache, dizziness, nausea, loss of coordination, drowsiness and for chocking, loss of mobility and unconsciousness.	Remove the patient out of the contaminated area into the fresh air. If there is difficulty in breathing, apply oxygen. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.
Skin:	Skin contact causes redness and pain.Prolonged contact may cause skin dryness.	In the case of freezing, rinse with plenty of water, do not throw away clothing and seek medical attention.
Eyes:	Contact with the eyes produces redness, pain and serious burns.	Remove contact lenses.Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart.Call a physician immediately.
Ingestion:	If swallowed, may cause nausea and vomiting.	If swallowed, seek immediate medical attention. Keep the patient at rest.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

The main symptoms and effects are indicated in sections 4.1 and 11.1

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to physician:

Specific treatment is necessary in case of exposition with this product: the appropriate means with instructions must be available.

Antidotes and contraindications:

Not available.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Extinguishing powder or atmosphere of CO2.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, Carbon dioxide, formaldehyde. Exposure to combustion or decomposition products may be a hazard to health. Carbon monoxide is very toxic by inhalation. Carbon dioxide, in sufficient concentrations, may behave as a suffocating gas. Flammable gas. Decomposes when heated intensely. The pressure may increase and the container may explode if heated in case of fire. Vapours may accumulate in low or confined areas, or travel a considerable distance to a source of ignition and flash back.

5.3 ADVICE FOR FIREFIGHTERS:

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. Do not extinguish a leaking gas flame unless absolutely necessary since spontaneous explosive re-ignition may occur. Do not allow fire-fighting residue to enter drains, sewers or water courses.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid direct contact with this product.Avoid breathing vapours.Keep people without protection in opposition to the wind direction.

6.2 ENVIRONMENTAL PRECAUTIONS:

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.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc..). 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 section 8.
For waste disposal, follow the recommendations in section 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

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:

Not applicable.

Flashpoint	-9.999 ºC	CLP 2.6.4.3.
Autoignition temperature:	240 ºC	

- 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.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Forbid the entry to unauthorized persons. Keep out of reach of children. Keep away from sources of heat. 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:

120 Months.

- Temperature interval:

min:5 ºC, max:30 ºC (recommended).

- Incompatible materials:

Keep away from oxidizing agents, acids, metals, anhydrides.

- Type of packaging:

According to current legislation.

- Limit quantity (Seveso III): Directive 2012/18/EU:

- Named dangerous substances/mixtures:None
- Hazard categories and lower-/upperthreshold quantities in tonnes (t):

· Physical hazards:Extremely flammable aerosol. (P3a) (150t/500t neto).
· Health hazards:Not applicable
· Environmental hazards:Not applicable
· Other hazards:Not applicable
- Threshold quantity for the application of lower-tier requirements:150 (neto) tons
- Threshold quantity for the application of upper-tier requirements:500 (neto) tons

- Remarks:
The qualifying quantities set out above relate to each establishment. The quantities to be considered for the application of the relevant Articles are the maximum quantities which are present or are likely to be present at any one time. Dangerous substances present at an establishment only in quantities equal to or less than 2 % of the relevant qualifying quantity shall be ignored for the purposes of calculating the total quantity present, if their location within an establishment is such that it cannot act as an initiator of a major accident elsewhere at that establishment. For more details, see note 4 of Annex I of the Seveso Directive.

7.3 SPECIFIC END USE(S):

For the use of this product particular recommendations apart from that already indicated are not available.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1

CONTROL PARAMETERS:

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assesing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

- OCCUPATIONAL EXPOSURE LIMIT VALUES (WEL)

EH40/2005 WELs (United Kingdom) 2018	Year	WEL-TWA ppm	WEL-TWA mg/m3	WEL-STEL ppm	WEL-STEL mg/m3	Remarks
Dimethyl ether	-	1000	1920	-	-	Recommended
Acetone	2014	250	594	500	1188	BMGV, A4
n-butyl acetate	2015	50	237	150	713	
Butan-1-ol	1998	20	61	-	-	
Hydrocarbons C9 aromatics	-	50	290	-	-	Recommended
Xylene (mixture of isomers)	1996	100	434	150	651	BMGV, A4
2-methoxy-1-methylethyl acetate	-	50	275	100	550	Sk, Recommended
Reaction mass of ethylbenzene and m-xylene and p-xylene	1996	100	434	150	651	BMGV, A4

WEL - Workplace Exposure Limit, TWA - Time Weighted Average (8 hours), STEL - Short Term Exposure Limit (15 min).
BMGV - Biological monitoring guidance value. BMGVs are non-statutory and any biological monitoring undertaken in association with a guidance value needs to be conducted on a voluntary basis (ie with the fully informed consent of all concerned).
Sk - Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
A4 - Non classified as carcinogenic in humans.

- Dermal (Sk):
Means that, in exposures to this substance, the contribution by the cutaneous route, including the mucous membranes and eyes, may result significant for the overall body content if no measures are taken to prevent absorption. There are some chemicals for which dermal absorption, both in liquid and vapour phases, can be very high, and this route of entry may be or equal or greater importance even that inhalation pathway. In these situations, the use of a biological control is essential in order to quantify the overall amount of contaminant absorbed.

- BIOLOGICAL LIMIT VALUES:

Biological monitoring can be a very useful complementary technique to air monitoring when air sampling techniques alone may not give a 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.
Substances that have established a biological limit value:
-
-
-
-

- 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.

- DERIVED NO-EFFECT LEVEL, WORKERS:- Systemic effects, acute and chronic:	DNEL Inhalation mg/m3		DNEL Cutaneous mg/kg bw/d		DNEL Oral mg/kg bw/d	
Xylene (mixture of isomers)	289 (a)	77 (c)	s/r (a)	180 (c)	- (a)	- (c)
Reaction mass of ethylbenzene and m-xylene and p-xylene	289 (a)	77 (c)	s/r (a)	180 (c)	- (a)	- (c)
Hydrocarbons C9 aromatics	- (a)	150 (c)	- (a)	25 (c)	- (a)	- (c)
Dimethyl ether	s/r (a)	1894 (c)	s/r (a)	s/r (c)	- (a)	- (c)
Butan-1-ol	- (a)	310 (c)	- (a)	- (c)	- (a)	- (c)
Acetone	- (a)	1210 (c)	- (a)	186 (c)	- (a)	- (c)
n-butyl acetate	960 (a)	480 (c)	11 (a)	11 (c)	- (a)	- (c)
2-methoxy-1-methylethyl acetate	- (a)	275 (c)	- (a)	153,5 (c)	- (a)	- (c)

- DERIVED NO-EFFECT LEVEL, WORKERS:- Local effects, acute and chronic:	DNEL Inhalation mg/m3		DNEL Cutaneous mg/cm2		DNEL Eyes mg/cm2	
Xylene (mixture of isomers)	289 (a)	s/r (c)	s/r (a)	s/r (c)	- (a)	- (c)
Reaction mass of ethylbenzene and m-xylene and p-xylene	289 (a)	s/r (c)	s/r (a)	s/r (c)	- (a)	- (c)
Hydrocarbons C9 aromatics	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Dimethyl ether	s/r (a)	s/r (c)	s/r (a)	s/r (c)	s/r (a)	- (c)
Butan-1-ol	- (a)	310 (c)	- (a)	- (c)	- (a)	- (c)

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Acetone	2420 (a)	- (c)	- (a)	- (c)	- (a)	- (c)
n-butyl acetate	960 (a)	480 (c)	s/r (a)	s/r (c)	s/r (a)	- (c)
2-methoxy-1-methylethyl acetate	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)

- DERIVED NO-EFFECT LEVEL, GENERAL POPULATION:- Systemic effects, acute and chronic:	DNEL Inhalation mg/m3		DNEL Cutaneous mg/kg bw/d		DNEL Eyes mg/kg bw/d	
Xylene (mixture of isomers)	174 (a)	14,8 (c)	s/r (a)	108 (c)	s/r (a)	1,6 (c)
Reaction mass of ethylbenzene and m-xylene and p-xylene	174 (a)	14,8 (c)	s/r (a)	108 (c)	s/r (a)	1,6 (c)
Hydrocarbons C9 aromatics	- (a)	32 (c)	- (a)	11 (c)	- (a)	11 (c)
Dimethyl ether	s/r (a)	471 (c)	s/r (a)	s/r (c)	s/r (a)	s/r (c)
Butan-1-ol	- (a)	55 (c)	- (a)	- (c)	- (a)	3,125 (c)
Acetone	- (a)	200 (c)	- (a)	62 (c)	- (a)	62 (c)
n-butyl acetate	859,7 (a)	102,34 (c)	6 (a)	6 (c)	2 (a)	2 (c)
2-methoxy-1-methylethyl acetate	- (a)	33 (c)	- (a)	54,8 (c)	- (a)	1,67 (c)

- LOCAL EFFECTS, ACUTE AND CHRONIC:- Local effects, acute and chronic:	DNEL Inhalation mg/m3		DNEL Cutaneous mg/cm2		DNEL Eyes mg/cm2	
Xylene (mixture of isomers)	174 (a)	s/r (c)	s/r (a)	s/r (c)	- (a)	- (c)
Reaction mass of ethylbenzene and m-xylene and p-xylene	174 (a)	s/r (c)	s/r (a)	s/r (c)	- (a)	- (c)
Hydrocarbons C9 aromatics	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Dimethyl ether	s/r (a)	s/r (c)	s/r (a)	s/r (c)	s/r (a)	- (c)
Butan-1-ol	- (a)	55 (c)	- (a)	- (c)	- (a)	- (c)
Acetone	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
n-butyl acetate	859,7 (a)	102,34 (c)	s/r (a)	s/r (c)	s/r (a)	- (c)
2-methoxy-1-methylethyl acetate	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)

(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).

- PREDICTED NO-EFFECT CONCENTRATION (PNEC):

- PREDICTED NO-EFFECT CONCENTRATION, AQUATIC ORGANISMS:- Fresh water, marine water and intermittent release:	PNEC Fresh water mg/l	PNEC Marine mg/l	PNEC Intermittent mg/l
Xylene (mixture of isomers)	0.327	0.327	0.327
Reaction mass of ethylbenzene and m-xylene and p-xylene	0.327	0.327	0.327
Hydrocarbons C9 aromatics	-7	-7	-7
Dimethyl ether	0.155	0.016	1.549
Butan-1-ol	0.082	0.0082	2.25
Acetone	10.6	1.06	21
n-butyl acetate	0.18	0.018	0.36
2-methoxy-1-methylethyl acetate	0.635	0.0635	6.35

- WASTEWATER TREATMENT PLANTS (STP) AND SEDIMENTS IN FRESH- AND MARINE WATER:	PNEC STP mg/l	PNEC Sediments mg/kg dw/d	PNEC Sediments mg/kg dw/d
Xylene (mixture of isomers)	6.58	12.46	12.46
Reaction mass of ethylbenzene and m-xylene and p-xylene	6.58	12.46	12.46
Hydrocarbons C9 aromatics	-7	-7	-7
Dimethyl ether	160	0.681	0.069
Butan-1-ol	2476	0.178	0.0178
Acetone	100	30.4	3.04
n-butyl acetate	35.6	0.981	0.0981
2-methoxy-1-methylethyl acetate	100	3.29	0.329

- PREDICTED NO-EFFECT CONCENTRATION, TERRESTRIAL ORGANISMS:- Air, soil and effects for predators and humans:	PNEC Air mg/m3	PNEC Soil mg/kg dw/d	PNEC Oral mg/kg dw/d
Xylene (mixture of isomers)	-	2.31	-
Reaction mass of ethylbenzene and m-xylene and p-xylene	-	2.31	-
Hydrocarbons C9 aromatics	-7	-7	-7
Dimethyl ether	s/r	0.045	n/b
Butan-1-ol	-	0.015	-
Acetone	-	29.5	n/b
n-butyl acetate	s/r	0.0903	n/b
2-methoxy-1-methylethyl acetate	-	0.29	-

(-) - PNEC not available (without data of registration REACH).
n/b - PNEC not derived (not bioaccumulative potential).
s/r - PNEC not derived (not identified hazard).

8.2 EXPOSURE CONTROLS:

ENGINEERING MEASURES:

Provide adequate ventilation.Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

- Protection of respiratory system:

Avoid the inhalation of vapours.

- Protection of eyes and face:

Install water taps, sources or eyewash bottles with clean water close to the working area.

- Protection of hands and skin:

It is recommended to install water taps or sources with clean water close to the working area.Barrier creams may help to protect the exposed areas of the skin.Barrier creams should not be applied once exposure has occurred.

OCCUPATIONAL EXPOSURE CONTROLS: REGULATION (EU) NO. 2016/425:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc..), you should consult the informative brochures provided by the manufacturers of PPE.

Mask:	No.
Safety goggles: ✓	Safety goggles with suitable lateral protection (EN166).Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.
Face shield:	No.
Gloves: ✓	Fluorocarbon rubber gloves, thick >0.7 mm (EN374). Recommended minimal level 3, breakthrough time >60 min (protection for permanent contact). 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. For the selection of a specific type of gloves for specific applications, with certain duration, it should take into account relevant factors to the workplace (without limitation to them), such as: Due to the wide variety of circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. If used in solution or mixed with other substances, or under conditions different from the EN374, please contact the supplier of the approved gloves. The gloves should be immediately replaced when any sign of degradation is noted.
Boots:	No.
Apron: ✓	Yes.
Clothing:	Advisable.

- Thermal hazards:

Not applicable (the product is handled at room temperature).

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment. Avoid any release into the atmosphere.

- Spills on the soil:

Prevent contamination of soil.

- Spills in water:

Do not allow to escape into drains, sewers or water courses.

-Water Management Act:

This product does not contain any substance included in the list of priority substances in the field of water policy under Directive 2000/60/EC~2013/39/EU.

- Emissions to the atmosphere:

Because of volatility, emissions to the atmosphere while handling and use may result. Avoid any release into the atmosphere.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Appearance		
Physical state:	Gas	
Colour:	Colourless	
Odour:	Characteristic	
Odour threshold:	0,08 ppm	
Change of state		
Melting point:	Not available (dissolution).	
Initial boiling point:	100,4 ºC at 760 mmHg	
- Flammability:		
Flashpoint	-9.999 ºC	CLP 2.6.4.3.
Lower/upper flammability or explosive limits:	Not available	
Autoignition temperature:	240 ºC	
Stability		
Decomposition temperature:	Not available (lack of data).	
pH-value		
pH:	Not applicable	
- Viscosity:		
Dynamic viscosity:	0,53 cps at 20ºC	
- Solubility(ies):		
Solubility in water	4,56 g/l at 20ºC	
Liposolubility:	Not applicable (inorganic substance).	
Partition coefficient: n-octanol/water:	0,07 (as log Pow)	
- Volatility:		
Vapour pressure:	Not applicable.	
Vapour pressure:	300 kPa at 50ºC	
Evaporation rate:	Not available (lack of data).	
Density		
Relative density:	0,781 at 20/4ºC	Relative water
Relative vapour density:	Not available.	
Particle characteristics		
Particle size:	Not available.	

- Explosive properties:

In the molecule there is no chemical groups associated with explosive properties.

- Oxidizing properties:

Not classified as oxidizing product.

9.2 OTHER INFORMATION:

Information regarding physical hazard classes

Aerosol sprays:	Extremely flammable aerosol.

Other security features:

Molecular weight (numeric):	100,12 g/mol
Surface tension:	28,0 din/cm at 20ºC
Heat of combustion:	7720 Kcal/kg
VOC (supply):	Not available.

The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the corresponding technical data sheet. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.

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SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY:

- Corrosivity to metals:

It is not corrosive to metals.

- Pyrophorical properties:

It is not pyrophoric.

10.2 CHEMICAL STABILITY:

Stable under recommended storage and handling conditions. Does not polymerize.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Possible dangerous reaction with oxidizing agents, acids, metals, anhydrides.

10.4 CONDITIONS TO AVOID:

- 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 should not be left the containers open.

- Humidity:

Avoid extreme humidity conditions.

- Pressure:

Not relevant.

- Shock:

The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations.

10.5 INCOMPATIBLE MATERIALS:

Keep away from oxidizing agents, acids, metals, anhydrides.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

As consequence of thermal decomposition, hazardous products may be produced: formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008 :

ACUTE TOXICITY:

Dose and lethal concentrations for individual ingredients:	DL50 (OECD401) mg/kg bw Oral	DL50 (OECD402) mg/kg bw Cutaneous	CL50 (OECD403) mg/m3·4h Inhalation
Xylene (mixture of isomers)	4300 Rat	1700 Rabbit	> 22080 Rat
Reaction mass of ethylbenzene and m-xylene and p-xylene	4300 Rat	1700 Rabbit	> 2250 Rat
Hydrocarbons C9 aromatics	3592 Rat	3160 Rabbit	> 6193 Rat
Dimethyl ether			> 100000 Rat
Butan-1-ol	790 Rat	3430 Rabbit	> 24665 Rat
Acetone	5800 Rat	7426 Rabbit	> 76000 Rat
n-butyl acetate	10768 Rat	17600 Rabbit	> 23400 Rat
2-methoxy-1-methylethyl acetate	8532 Rat	> 5000 Rat	> 35700 Rat

Estimates of acute toxicity (ATE) for individual ingredients:	ATE mg/kg bw Oral	ATE mg/kg bw Cutaneous	ATE mg/m3·4h Inhalation
Xylene (mixture of isomers)	-	*1700	11000 Vapours
Reaction mass of ethylbenzene and m-xylene and p-xylene	-	*1100	*11000 Vapours
Hydrocarbons C9 aromatics	-	-	-
Dimethyl ether	-	-	> 100000 Vapours
Butan-1-ol	790	-	24665 Vapours
Acetone	-	-	76000 Vapours
n-butyl acetate	-	-	23400 Vapours
2-methoxy-1-methylethyl acetate	-	-	35700 Vapours

(*) - Point estimates of acute toxicity corresponding to the classification category (see GHS/CLP Table 3.1.2). These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.
(-) - The components that are assumed to have no acute toxicity at the upper threshold of category 4 for the corresponding exposure route are ignored.

- No observed adverse effect level	NOAEL Oral mg/kg bw/d	NOAEL Cutaneous mg/kg bw/d	NOAEC Inhalation mg/m3
Dimethyl ether			47106 Rat

- Lowest observed adverse effect level

Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE: ACUTE TOXICITY:

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 toxicity if inhaled (based on available data, the classification criteria are not met).	GHS/CLP 3.1.2. OECD 403
Skin: Not classified	ATE > 5000 mg/kg bw	-	Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.1.2. OECD 402
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 3.1.2. OECD 401

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. 3.8.2.2.1.
- Skin corrosion/irritation: 	Skin 	Cat.2	IRRITANT: Causes skin irritation.	GHS/CLP 3.2.2. OECD 404
- Serious eye damage/irritation: 	Eyes 	Cat.1	DAMAGE: Causes serious eye damage.	GHS/CLP 3.3.2. OECD 405
- Respiratory sensitisation: Not classified	-	-	Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 3.4.2.1.
- Skin sensitisation: Not classified	-	-	Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).	GHS/CLP 3.4.2.2. OECD 406

- 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 classification criteria are not met).	GHS/CLP 3.10.2.

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
- 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 3.8.2.2.2.

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.

- Short-term exposure:

Irritating to eyes, respiratory system and skin.

- Long-term or repeated exposure:

Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

INTERACTIVE EFFECTS:

Not available.

INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:

- Dermal absorption:

Substances for which dermal absorption can be very high: Xylene (mixture of isomers), Reaction mass of ethylbenzene and m-xylene and p -xylene, Butan-1-ol, 2-methoxy-1-methylethyl acetate.

- Basic toxicokinetics:

Not available.

ADDITIONAL INFORMATION:

Not available.

11.2 INFORMATION ON OTHER HAZARDS:

Endocrine disrupting properties:

This product does not contain substances with endocrine disrupting properties identified or under evaluation.

Other information:

No additional information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 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 ethylbenzene and m-xylene and p-xylene	14 - Fishes	16 - Daphniae	10 - Algae
Hydrocarbons C9 aromatics	9.2 - Fishes	3.2 - Daphniae	2.9 - Algae
Dimethyl ether	4100 - Fishes	4400 - Daphniae	
Butan-1-ol	1376 - Fishes	1328 - Daphniae	500 - Algae
Acetone	5540 - Fishes	12100 - Daphniae	
n-butyl acetate	18 - Fishes	44 - Daphniae	675 - Algae
2-methoxy-1-methylethyl acetate	134 - Fishes	408 - Daphniae	1000 - Algae

- No observed effect concentration	NOEC (OECD 210) mg/l · 28 days	NOEC (OECD 211) mg/l · 21 days	NOEC (OECD 201) mg/l · 72 hours
Butan-1-ol		4.1 - Daphniae	
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 4.1.2.
- Chronic aquatic toxicity: 	Cat.3	HARMFUL: Harmful to aquatic life with long lasting effects.	GHS/CLP 4.1.2.

12.2 PERSISTENCE AND DEGRADABILITY:

- Biodegradability:

Not readily biodegradable.

Aerobic biodegradation for individual ingredients	COD mgO2/g	%DBO/DQO 5 days 14 days 28 days	Biodegradabilidad
Xylene (mixture of isomers)	2620	52 81 88	Easy
Reaction mass of ethylbenzene and m-xylene and p-xylene	2620	97 - -	Easy
Hydrocarbons C9 aromatics	3195	4,3 - -	Easy
Dimethyl ether	1041	1 3 5	Not easy

Butan-1-ol	2590	68 92 99	Easy
Acetone	1920	87 - 91	Easy
n-butyl acetate	2204	80 82 83	Easy
2-methoxy-1-methylethyl acetate	1520	22 78 90	Easy

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

- Hydrolysis:

Not applicable (the molecule does not contain hydrolysable functional groups).

- Photodegradability:

Because of indirect photochemical reactions, it is oxided in the atmosphere mainly in contact with hydroxyl radicals, under the influence of sunlight. Degradation in the atmospheric environment is expected within a few days.

12.3 BIOACCUMULATIVE POTENTIAL:

It is unlikely to bioaccumulate.

Bioaccumulation for individual ingredients	logPow	BCF L/kg	Potential
Xylene (mixture of isomers)	3.16	56.5 (calculated)	Low
Reaction mass of ethylbenzene and m-xylene and p-xylene	3.16	56 (calculated)	Low
Hydrocarbons C9 aromatics	3.3	69.9 (calculated)	Low
Dimethyl ether	0.07	1.7 (calculated)	Unlikely, low
Butan-1-ol	0.88	3.2 (calculated)	No bioaccumulable
Acetone	-0.24	3.2 (calculated)	No bioaccumulable
n-butyl acetate	1.81	6.9 (calculated)	No bioaccumulable
2-methoxy-1-methylethyl acetate	0.56	3.2 (calculated)	No bioaccumulable

12.4 MOBILITY IN SOIL:

Not available

Mobility for individual ingredients	log Poc	Constant of Henry Pa·m3/mol 20ºC	Potential
Xylene (mixture of isomers)	2,25	660 (calculated)	Low
Reaction mass of ethylbenzene and m-xylene and p-xylene	2,25	660 (calculated)	Low
Hydrocarbons C9 aromatics	2,96	440 (calculated)	Low
Dimethyl ether	0,89	518,6 (calculated)	Unlikely, low
Butan-1-ol	0,39	0,63 (calculated)	No bioaccumulable
Acetone	0,99	3 (calculated)	No bioaccumulable
n-butyl acetate	1,84	28,5 (calculated)	No bioaccumulable
2-methoxy-1-methylethyl acetate	0,23	0,42 (calculated)	No bioaccumulable

12.5 RESULTS OF PBT AND VPVB ASSESMENT:(Annex XIII of Regulation (EC) no. 1907/2006:)

Do not fulfil the PBT/vPvB criteria : Half-life in the marine environment < 60 days,Half-life in fresh-water or estuarine < 40 days,Half-life in marine sediments < 180 days,Half-life in sediments of fresh-water or estuarine < 120 days,Half-life in the soil < 120 days,Bioconcentration factor BCF < 2000,Long term ´No observed effect concentration´ for fresh-water or marine organisms NOEC > 0.01 mg/l,It is NOT classified as CMR,It has NO endocrine disrupting potential.

12.6 ENDOCRINE DISRUPTING PROPERTIES:

This product does not contain substances with endocrine disrupting properties identified or under evaluation.

12.7 OTHER ADVERSE EFFECTS:

- Ozone depletion potential:

Not dangerous for the ozone layer. Substance not listed in Annex I to Regulation (EC) 2037/2000~1005/2009 on substances that deplete the ozone layer.

- Photochemical ozone creation potential:

It contributes relatively little to the formation of ozone in the troposphere.

- Earth global warming potential:

In case of fire or incineration liberates CO2.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:Directive 2008/98/EC~Regulation (EU) no. 1357/2014:

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose at an authorised waste collection point. Waste should be handled and disposed in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers:Directive 94/62/EC~2015/720/EU, Decision 2000/532/EC~2014/955/EU:

Emptied containers and packaging should be disposed in accordance with currently local and national regulations.The classification of packaging as hazardous waste will depend on the degree of empting of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination.With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:

Controlled incineration in special facilities for chemical waste, in accordance with local regulations.Do not incinerate closed containers.

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SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER OR ID NUMBER:

1950

14.2 UN PROPER SHIPPING NAME:

AEROSOLS

14.3 TRANSPORT HAZARD CLASS(ES):

Transport by road (ADR 2023) and Transport by rail (RID 2023):

- Class:	2
- Packing group:	
- Classification code:	5F
- Tunnel restriction code:	(D)
- Transport category:	2, max. ADR 1.1.3.6. 333 L
- Limited quantities:	1 L (see total exemptions ADR 3.4)
- Transport document:	Consignment paper.
- Instructions in writing:	ADR 5.4.3.4

Transport by sea (IMDG 40-20):

- Class:	2
- Packing group:	
- Emergency Sheet (EmS):	F-D,S-U
- First Aid Guide (MFAG):	620*
- Marine pollutant:	No.
- Transport document:	Shipping Bill of lading.

Transport by air (ICAO/IATA 2021):

- Class:	2
- Packing group:	
- Transport document:	Air Bill of lading.

Transport by inland waterways (ADN):

Not available

14.4 PACKING GROUP:

See section 14.3

14.5 ENVIRONMENTAL HAZARDS:

Not applicable.

14.6 SPECIAL PRECAUTIONS FOR USER:

Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are upright and secure. Ensure adequate ventilation.

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS:

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

The regulations applicable to this product generally are listed throughout this Safety Data Sheet.

Restrictions on manufacture, placing on market and use:

See section 1.2

Tactile warning of danger:

Not applicable (the classification criteria are not met).

Child safety protection:

Not applicable (the classification criteria are not met).

ANNEX II: REPORTABLE EXPLOSIVES PRECURSORS

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en

OTHER REGULATIONS:

Not available.

Control of the risks inherent in major accidents (Seveso III):

See section 7.2

Other local legislations:

The receiver should verify the possible existence of local regulations applicable to the chemical.

15.2 CHEMICAL SAFETY ASSESSMENT:

A chemical safety assessment has been carried out for this product.

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SECTION 16 : OTHER INFORMATION

16.1

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:

H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H280 Contains gas under pressure: may explode if heated. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH066 Repeated exposure may cause skin dryness or cracking. H373 May cause damage to hearing organs through prolonged or repeated exposure if inhaled. H229 Pressurised container: may burst if heated.

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 the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
Note U (Table 3) : When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.); Press. Gas (Liq.); Press. Gas (Ref. Liq.); Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

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:

Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2020/878.

HISTORIC: REVISION:

Version: 1 30/11/2023

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.