

 QUICK MIX MULTIFIX Code: 5006-001094	
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Version: 1 Date of compilation: 28/09/2021


Date of printing: 28/09/2021





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

1.1	<u>PRODUCT IDENTIFIER:</u> UFI: 3Q04-C9S4-QJ03-340T	QUICK MIX MULTIFIX Code: 5006-001094
1.2	<u>RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:</u> <u>Intended uses (main technical functions):</u> [X] Industrial [X] Professional [_] Consumers Adhesive. <u>Sectors of use:</u> Professional uses (SU22). <u>Uses advised against:</u> 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'. <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not restricted.	
1.3	<u>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</u> CAR REPAIR SYSTEM S.A. Pol. Ind. 2 de Octubre. C/ Jose Muñoz, 6 - E-18320 - Santa Fe - Granada (Española) Phone: +34 95 8431792 <u>E-mail address of the person responsible for the Safety Data Sheet:</u> info@carrepairsystem.eu	
1.4	<u>EMERGENCY TELEPHONE NUMBER:</u> +34 95 8431792 (L-J 8:30-14 / 15-18 h. V 8:30-14:30 h.) (working hours)	

SECTION 2 : HAZARDS IDENTIFICATION

2.1	<u>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</u> Classification of mixtures is carried out in accordance with the following principles: a) when data (tests) for the classification of mixtures are available, generally is carried out based on these data, b) in the absence of data (tests) for mixtures are generally used interpolation or extrapolation methods of assessing the risk, using the available data for mixtures similarly classified, and c) in the absence of tests and information which would allow to apply interpolation or extrapolation techniques, methods are used to classify risk assessment based on the data of the individual components in the mixture. <u>Classification in accordance with Regulation (EU) No. 1272/2008~2020/1182 (CLP):</u> WARNING: Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335					
	<u>Danger class</u>	<u>Classification of the mixture</u>	<u>Cat.</u>	<u>Routes of exposure</u>	<u>Target organs</u>	<u>Effects</u>
	<u>Physicochemical:</u> Not classified	Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335	c) c) c)	Cat.2 Cat.2 Cat.3	Skin Eyes Inhalation	Skin Eyes Respiratory tract Irritation Irritation Irritation
	<u>Human health:</u> 					
	<u>Environment:</u> Not classified					
Full text of hazard statements mentioned is indicated in section 16. Note: When in section 3 a range of percentages is used, the health and environmental hazards describe the effects of the highest concentration of each component, but below the maximum value.						

2.2	<u>LABEL ELEMENTS:</u> 	This product is labelled with the signal word WARNING in accordance with Regulation (EU) No. 1272/2008~2020/1182 (CLP)
	<u>Hazard statements:</u> H319 H335 H315	Causes serious eye irritation. May cause respiratory irritation. Causes skin irritation.
	<u>Precautionary statements:</u> P102 P280F P303+P361+P353-P352-P312 P304+P340-P312	Keep out of reach of children. Wear protective gloves, clothing and eye protection. In case of inadequate ventilation wear respiratory protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

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	P305+P351+P338-P310 P501b <u>Supplementary statements:</u> EUH208 EUH202 <u>Substances that contribute to classification:</u> Ethyl 2-cyanoacrylate	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Dispose of contents/container to hazardous or special waste collection point. Contains hydroquinone. May produce an allergic reaction. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
2.3	<u>OTHER HAZARDS:</u> Hazards which do not result in classification but which may contribute to the overall hazards of the mixture: <u>Other physicochemical hazards:</u> In case the ventilation is not enough and there is an accumulation of vapors, may be form with air a mixture potentially flammable or explosive. <u>Other adverse human health effects:</u> No other relevant adverse effects are known. <u>Other negative environmental effects:</u> * Does not contain substances that fulfil the PBT/vPvB criteria.	
SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS		
3.1	<u>SUBSTANCES:</u> Not applicable (mixture).	
3.2	<u>MIXTURES:</u> This product is a mixture. <u>Chemical description:</u> Ethyl 2-cyanoacrylate. <u>INGREDIENTS:</u>	
	50 < 100 % 	<u>Ethyl 2-cyanoacrylate</u> CAS: 7085-85-0 , EC: 230-391-5 REACH: 01-21 19527766-29 Index No. 607-236-00-9 CLP: Warning: Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335 < REACH / CLP00
	< 0,15 % 	<u>Hydroquinone</u> CAS: 123-31-9 , EC: 204-617-8 REACH: 01-21 19524016-51 Index No. 604-005-00-4 CLP: Danger: Acute Tox. (oral) 4:H302 Eye Dam. 1:H318 Skin Sens. 1:H317 Muta. 2:H341 Carc. 2:H351 Aquatic Acute 1:H400 (M=10) < REACH / ATP01
	<u>Impurities:</u> Does not contain other components or impurities which will influence the classification of the product. <u>Stabilizers:</u> None <u>Reference to other sections:</u> For more information on hazardous ingredients, see sections 8, 11, 12 and 16. <u>SUBSTANCES OF VERY HIGH CONCERN (SVHC):</u> List updated by ECHA on 08/07/2021. <u>Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:</u> None <u>Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:</u> None <u>PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPVB SUBSTANCES:</u> Does not contain substances 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.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u> 	Inhalation produces irritation to mucus, coughing and breathlessness. Inhalation may produce irritation of the nasal ducts and throat, headache and narcosis.	Remove the patient out of the contaminated area into the fresh air. 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.
<u>Skin:</u> 	Skin contact causes redness. Skin contact causes redness and pain. It adheres to the skin in few seconds. Cyanoacrylates liberate heat on solidification, but rarely a large drop will generate enough heat to cause a burn.	Remove contaminated clothing. Do not pull bonded skin. It can be gently peeled apart using an object such as a spoon, preferably after soaking it in warm soapy water. After removing the cyanoacrylate from the skin, treat possible burns in the usual way. If the lips are accidentally stuck together, apply warm water and moisturize and push hard with saliva from inside the mouth. Peel or slide lips apart. Do not try to separate lips pulling them.
<u>Eyes:</u> 	Contact with the eyes produces redness and pain. Cyanoacrylate will bond to eye protein within seconds, causing weeping, which will help to take off the adhered product.	Remove contact lenses. If the eye is closed, take off the eyelid with warm water by covering it with a temperate humid compress. Keep the eye covered until the bonded product is completely off, typically within 1 to 3 days. Do not open the eye forcing. Consult a physician in the case that solid particles of cyanoacrylate trapped behind the eyelid cause injury.
<u>Ingestion:</u>	The product will polymerise immediately in the mouth resulting almost impossible to swallow it.	Ensure that respiratory ways are not obstructed. Saliva will slowly separate the solidified product from the mouth (several hours).

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: It is not necessary to perform a surgery to separate accidentally bonded tissues. Experience has shown that the best way to treat tissues bond together is through passive non-surgical first aids. If rapid curing has caused thermal burns, they should be treated according to the symptoms after removing the adhered product.

Antidotes and contraindications: Specific antidote not known.

SECTION 5 : FIRE-FIGHTING MEASURES**5.1 EXTINGUISHING MEDIA:**

Extinguishing powder or CO₂. In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet. Direct water jet may not be effective to extinguish the fire, since the fire may spread.

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, nitrogen oxides, traces of hydrocyanic acid. Exposure to combustion or decomposition products may be a hazard to health. Pyrolyzed acrylates are highly irritant to the respiratory system.



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. Bear in mind the direction of the wind. Do not allow fire-fighting 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.

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6.2	<u>ENVIRONMENTAL PRECAUTIONS:</u> 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	<u>METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:</u> Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc..). Clean preferably with a biodegradable detergent. Avoid use of solvents. Keep the remains in a closed container.	
6.4	<u>REFERENCE TO OTHER SECTIONS:</u> 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	<u>PRECAUTIONS FOR SAFE HANDLING:</u> Comply with the existing legislation on health and safety at work. <u>General recommendations:</u> Avoid any type of leakage or escape. Keep the container tightly closed. <u>Recommendations for the prevention of fire and explosion risks:</u> 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. - Flash point : 87. °C - Autoignition temperature : > 500. °C <u>Recommendations for the prevention of toxicological risks:</u> Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8. <u>Recommendations for the prevention of environmental contamination:</u> It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.	
7.2	<u>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</u> 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. 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. <u>Class of storage</u> : According to current legislation. <u>Maximum storage period</u> : 6. months <u>Temperature interval</u> : Keep refrigerated, max: 8.°C <u>Incompatible materials:</u> Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. <u>Type of packaging:</u> According to current legislation. <u>Limit quantity (Seveso III): Directive 2012/18/EU:</u> Not applicable (the classification criteria are not met).	
7.3	<u>SPECIFIC END USES:</u> For the use of this product particular recommendations apart from that already indicated are not available.	

QUICK MIX MULTIFIX
Code: 5006-001094**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 assessing 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 (TLV)

AGCIH 2020	Year	TLV-TWA		TLV-STEL		Remarks
		ppm	mg/m ³	ppm	mg/m ³	
Ethyl 2-cyanoacrylate	1998	0.20	-	-	-	A3 Vd,Sc
Hydroquinone	2007	-	1.0	-	-	

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

Skin - Danger of cutaneous absorption.

Sc - May cause sensitization by skin contact.

A3 - Carcinogenic in animals.

BIOLOGICAL LIMIT VALUES:

Not available

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:

Ethyl 2-cyanoacrylate

Hydroquinone

DNEL Inhalation

mg/m³

- (a) 9.25 (c)

- (a) 7.00 (c)

DNEL Cutaneous

mg/kg bw/d

- (a) - (c)

- (a) 128. (c)

DNEL Oral

mg/kg bw/d

- (a) - (c)

- (a) - (c)

Derived no-effect level, workers:

- Local effects, acute and chronic:

Ethyl 2-cyanoacrylate

Hydroquinone

DNEL Inhalation

mg/m³

- (a) 9.25 (c)

- (a) 1.00 (c)

DNEL Cutaneous

mg/cm²

- (a) - (c)

- (a) - (c)

DNEL Eyes

mg/cm²

- (a) - (c)






- (a) - (c)

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).

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<u>PREDICTED NO-EFFECT CONCENTRATION (PNEC):</u>				
<u>Predicted no-effect concentration, aquatic organisms:</u>				
- Fresh water, marine water and intermittent release:				
Ethyl 2-cyanoacrylate				
Hydroquinone				
- Wastewater treatment plants (STP) and sediments in fresh- and marine water:				
Ethyl 2-cyanoacrylate				
Hydroquinone				
<u>Predicted no-effect concentration, terrestrial organisms:</u>				
- Air, soil and effects for predators and humans:				
Ethyl 2-cyanoacrylate				
Hydroquinone				
(-) - PNEC not available (without data of registration REACH).				
n/b - PNEC not derived (not bioaccumulative potential).				
8.2	<u>EXPOSURE CONTROLS:</u>			
<u>ENGINEERING MEASURES:</u>				
				
Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.				
<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 eyewash bottles with clean water close to the working area. Do not wear contact lenses.				
<u>Protection of hands and skin:</u> 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.				
<u>OCCUPATIONAL EXPOSURE CONTROLS:</u> 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.				
<u>Mask:</u>		A-type filter mask (brown) for gases and vapours of organic compounds with a boiling point higher than 65°C (EN14387). Class 1: low capacity up to 1000 ppm, Class 2: medium capacity up to 5000 ppm, Class 3: high capacity up to 10000 ppm. 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. The respiratory equipment with filters does not work satisfactorily when the air contains high concentrations of vapour or oxygen content less than 18% in volume. In presence of high concentrations of vapour, use independent breathing apparatus.		
<u>Safety goggles:</u>		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.		
<u>Face shield:</u>		Face shield against liquid splashes (EN166), advisable when there is a risk of spillage, diffusion or atomization of the liquid.		
<u>Gloves:</u>		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. Do not use PVC gloves as PVC absorbs acrylates. 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.		
<u>Boots:</u>		No.		
<u>Apron:</u>		No.		
<u>Clothing:</u>		Advisable.		
<u>Thermal hazards:</u>				
Not applicable (the product is handled at room temperature).				
<u>ENVIRONMENTAL EXPOSURE CONTROLS:</u>				
Avoid any spillage in the environment. Avoid any release into the atmosphere.				
<u>Spills on the soil:</u> Prevent contamination of soil.				

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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.

- VOC (industrial installations): If this product is used in an industrial installation, it must be verified if it is applicable the Directive 2010/75/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents in certain activities and installations: VOC (supply) : 99.0% Weight , VOC : 57.0% C (expressed as carbon) , Molecular weight (average) : 125.1 , Number C atoms (average) : 6.0.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Appearance

- Physical state : Liquid.
 - Colour : Colourless.
 - Odour : Characteristic.

pH-value

- pH : Not applicable (non-aqueous media).

Change of state

- Melting point : Not applicable (mixture).
 - Boiling interval : 150. - 214* °C at 760 mmHg

Density

- Vapour density : 1.06* at 20°C 1 atm. Relative air
 - Relative density : 1.05 at 20/4°C Relative water

Stability

Viscosity:

- Kinematic viscosity : Not applicable

Volatility:

- Evaporation rate : 0.8* nBuAc=100 25°C Relative
 - Vapour pressure : Not applicable
 - Vapour pressure : 0.16* kPa at 50°C

Solubility(ies)

- Solubility in water : Not applicable
 - Partition coefficient: n-octanol/water : Not applicable (mixture).

Flammability:

- Flash point : 87. °C
 - Autoignition temperature : > 500. °C

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 mixture.

9.2 OTHER INFORMATION:

- VOC (supply) : 99.0 % Weight
 - VOC (supply) : 20.0 g/l

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.

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.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Possible dangerous reaction with water, oxidizing agents, acids, amines, alcohols.

10.4 CONDITIONS TO AVOID:

Heat: Precautions must be taken to avoid exceeding the maximum storage temperature indicated, as this could give rise to an uncontrolled exo-thermic polymerisation taking place, and under extreme conditions, even to the container exploding.

Light: Avoid direct contact with sunlight as this could cause a rise in temperature, with the subsequent danger of an uncontrolled exo-thermic polymerisation.

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, from strongly alkaline and strongly acid materials.

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10.6 **HAZARDOUS DECOMPOSITION PRODUCTS:**
 As consequence of thermal decomposition, hazardous products may be produced: nitrogen oxides, hydrocyanic acid.

SECTION 11 : TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2020/1182 (CLP).

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Dose and lethal concentrations

for individual ingredients :
 Ethyl 2-cyanoacrylate
 Hydroquinone

LD50 (OECD 401)

mg/kg bw oral
 > 5000. Rat
 320. Rat

LD50 (OECD 402)

mg/kg bw cutaneous
 > 2000. Rabbit
 > 2000. Rabbit

LC50 (OECD 403)

mg/m³-4h inhalation

Estimates of acute toxicity (ATE)

for individual ingredients :
 Hydroquinone

ATE

mg/kg bw oral
 320.

ATE

mg/kg bw cutaneous
 -

ATE

mg/m³-4h inhalation
 -

(*) - 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

Not available

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
<u>Inhalation:</u> Not classified	ATE > 20000 mg/m ³	-	Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.
<u>Skin:</u> Not classified	ATE > 2000 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 3.1.3.6.
<u>Eyes:</u> Not classified	Not available	-	Not classified as a product with acute toxicity by eye contact (lack of data).	GHS/CLP 1.2.5.
<u>Ingestion:</u> Not classified	ATE > 2000 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
<u>Respiratory corrosion/irritation:</u> 	Respiratory tract 	Cat.3	IRRITANT: May cause respiratory irritation.	GHS/CLP 1.2.6. 3.8.3.4.
<u>Skin corrosion/irritation:</u> 	Skin 	Cat.2	IRRITANT: Causes skin irritation.	GHS/CLP 3.2.3.3.
<u>Serious eye damage/irritation:</u> 	Eyes 	Cat.2	IRRITANT: Causes serious eye irritation.	GHS/CLP 3.3.3.3.
<u>Respiratory sensitisation:</u> 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.
<u>Skin sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.

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.

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Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
<u>Aspiration hazard:</u> Not classified	-	-	Not classified as a product hazardous by aspiration (based on available data, the classification criteria are not met).	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
<u>Respiratory:</u> 	SE	Respiratory tract 	Cat.3	IRRITANT: May cause respiratory irritation.	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: Not available.Short-term exposure:Long-term or repeated exposure: Not available.INTERACTIVE EFFECTS:

Not available.



INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:Dermal absorption: Not available.Basic toxicokinetics: Not available.ADDITIONAL INFORMATION:

Not available.

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. 1272/2008~2020/1182 (CLP).

12.1	<u>TOXICITY:</u>			
	<u>Acute toxicity in aquatic environment for individual ingredients :</u> Hydroquinone	<u>LC50 (OECD 203)</u> mg/l-96hours 0.044 Fishes	<u>EC50 (OECD 202)</u> mg/l-48hours 0.090 Daphnia	<u>EC50 (OECD 201)</u> mg/l-72hours 0.33 Algae
	<u>No observed effect concentration</u> Not available			
	<u>Lowest observed effect concentration</u> Not available			
	<u>ASSESSMENT OF AQUATIC TOXICITY:</u>			
	<u>Aquatic toxicity</u>	Cat.	<u>Main hazards to the aquatic environment</u>	<u>Criteria</u>
	<u>Acute aquatic toxicity:</u> 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.
	<u>Chronic aquatic toxicity:</u> Not classified	-	Not classified as a dangerous product with chronic toxicity to a quatic life with long lasting effects (based on available data, the classification criteria are not met).	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	<u>PERSISTENCE AND DEGRADABILITY:</u> Not available.			
	<u>Aerobic biodegradation for individual ingredients :</u> Ethyl 2-cyanoacrylate Hydroquinone	<u>DOO</u> mgO2/g 1889.	<u>%DBO/DOO</u> 5 days 14 days 28 days ~ 28. ~ 70. ~ 80.	<u>Biodegradability</u> Easy Easy
	Note: Biodegradability data correspond to an average of data from various bibliographic sources.			

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12.3	BIOACCUMULATIVE POTENTIAL: Not available.			
	<u>Bioaccumulation for individual ingredients :</u> Ethyl 2-cyanoacrylate Hydroquinone	<u>log Pow</u> 0.780 0.590	<u>BCF</u> L/kg 3.2 (calculated)	<u>Potential</u> Not bioaccumulative. Not bioaccumulative.
12.4	MOBILITY IN SOIL: Not available.			
	<u>Mobility for individual ingredients :</u> Ethyl 2-cyanoacrylate Hydroquinone	<u>log Poc</u> 0.393 1.58	<u>Constant of Henry</u> Pa·m ³ /mol 20°C	<u>Potential</u> Not bioaccumulative. Not bioaccumulative.
12.5	RESULTS OF PBT AND VPVB ASSESSMENT: Annex XIII of Regulation (EC) no. 1907/2006: Does not contain substances that fulfil the PBT/vPvB criteria.			
12.6	OTHER ADVERSE EFFECTS: <u>Ozone depletion 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 CO ₂ . <u>Endocrine disrupting potential:</u> Not available.			
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. <u>Disposal of empty containers:</u> 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 emptying 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. <u>Procedures for neutralising or destroying the product:</u> Controlled incineration in special facilities for chemical waste, in accordance with local regulations.			

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In accordance with Regulation (EC) No. 1907/2006 and Regulation (EU) No. 2015/830

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QUICK MIX MULTIFIX
Code: 5006-001094**SECTION 14 : TRANSPORT INFORMATION**

14.1	<u>UN NUMBER:</u> Not applicable
14.2	<u>UN PROPER SHIPPING NAME:</u> Not applicable
14.3	<u>TRANSPORT HAZARD CLASS(ES):</u> <u>Transport by road (ADR 2021) and</u> <u>Transport by rail (RID 2021):</u> Not regulated <u>Transport by sea (IMDG 39-18):</u> Not regulated <u>Transport by air (ICAO/IATA 2021):</u> Not regulated <u>Transport by inland waterways (ADN):</u> Not regulated
14.4	<u>PACKING GROUP:</u> Not regulated
14.5	<u>ENVIRONMENTAL HAZARDS:</u> Not applicable (not classified as hazardous for the environment).
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> 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.
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not applicable.

SECTION 15 : REGULATORY INFORMATION

15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u> The regulations applicable to this product generally are listed throughout this Safety Data Sheet. <u>Restrictions on manufacture, placing on market and use:</u> See section 1.2 <u>Tactile warning of danger:</u> Not applicable (the classification criteria are not met). <u>Child safety protection:</u> Not applicable (the classification criteria are not met). <u>OTHER REGULATIONS:</u> <u>Control of the risks inherent in major accidents (Seveso III):</u> See section 7.2 <u>Other local legislations:</u> The receiver should verify the possible existence of local regulations applicable to the chemical.
15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> A chemical safety assessment has not been carried out for this mixture.



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**SECTION 16 : OTHER INFORMATION**TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:Hazard statements according the Regulation (EU) No. 1272/2008~2020/1182 (CLP), Annex III:

H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer.

Indications for preparations containing cyanoacrylates:

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

EVALUATION OF THE INFORMATION ON THE DANGER OF MIXTURES: See sections 9.1, 11.1 and 12.1.

ADVISES 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/>
- Threshold Limit Values, (AGCIH, 2018).

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 regulation on Classification, Labelling and 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).
- LD50: Lethal dose, 50 percent.
- LC50: Lethal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangerous goods by road.
- RID: Regulations concerning the international transport of dangerous 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. 2015/830.

HISTORIC:

Version: 1

Date of compilation:

28/09/2021

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 conditions are 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.



QUICK MIX MULTIFIX (B)
Code: 5006-001094

Version: 1

Date of printing: 28/09/2021

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

- 1.1 PRODUCT IDENTIFIER: QUICK MIX MULTIFIX (B)
Code: 5006-001094
- 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:
Intended uses (main technical functions): [X] Industrial [X] Professional [_] Consumers
Adhesive.
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/ Jose Muñoz, 6 - E-18320 - Santa Fe - Granada (Española)
Phone: +34 95 8431 792
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.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION

- 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
Classification in accordance with Regulation (EU) No. 1272/2008~2020/1182 (CLP):
Aquatic Chronic 3:H412
- | Danger class | Classification of the substance | Cat. | Routes of exposure | Target organs | Effects |
|---|---------------------------------|-------|--------------------|---------------|---------|
| <u>Physicochemical:</u>
Not classified | Aquatic Chronic 3:H412 | Cat.3 | - | - | - |
| <u>Human health:</u>
Not classified | | | | | |
| <u>Environment:</u> | | | | | |
- Full text of hazard statements mentioned is indicated in section 16.
- 2.2 LABEL ELEMENTS:
This product does not require pictograms, in accordance with Regulation (EU) No. 1272/2008~2020/1182 (CLP)
Hazard statements:
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements:
P102 Keep out of reach of children.
P273-P501a Avoid release to the environment. Dispose of contents/container in accordance with local regulations.
Supplementary statements:
None.
Substances that contribute to classification:
None.
- 2.3 OTHER HAZARDS:
Hazards which do not result in classification but which may contribute to the overall hazards of the substance:
Other physicochemical hazards: No other relevant adverse effects are known.
Other adverse human health effects: May be irritating to eyes and skin.
Other negative environmental effects: Do not fulfil the PBT/vPvB criteria.



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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1


SUBSTANCES:

This product is a substance in aqueous solution.

Chemical description:

2-(2h-benzotriazol-2-yl)-4-methyl-6-dodecylphenol in aqueous media.

INGREDIENTS:

2,5 < 10 %  2-(2H-benzotriazol-2-yl)-4-methyl-6-dodecylphenol
CAS: 125304-04-3 , List No. 603-051-2*
CLP: Aquatic Chronic 2:H411

Autoclassified

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 08/07/2021.

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.

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.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	It is not expected that symptoms will occur under normal conditions of use.	Should there be any symptoms, transfer the person affected to the open air. Seek medical attention.
<u>Skin:</u>	Skin contact may cause slight redness.	Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser.
<u>Eyes:</u>	Contact with the eyes may produce slight redness.	Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart. If irritation persists, consult a physician.
<u>Ingestion:</u>	If swallowed in high doses, may cause gastrointestinal disturbances.	Call a physician. Drink large quantities of water, preferably with a suspension of medicinal active carbon. Do not induce vomiting, unless directed to do so by medical personnel. Should vomiting occur spontaneously, keep free respiratory tract.

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: Treatment should be directed at the control of symptoms and the clinical condition of the patient.

Antidotes and contraindications: Not available.



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SECTION 5 : FIRE-FIGHTING MEASURES

- 5.1 EXTINGUISHING MEDIA:
Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist.
- 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, nitrogen oxides. 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. Nitrogen oxides are toxic gases.
- 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. Bear in mind the direction of the wind. Do not allow fire-fighting 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 contact with skin and eyes. Avoid breathing dust. Use gloves, goggles and adequate protection clothing.
- 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:
Use in areas free from sources of ignition and away from heat or electrical sources. Do not smoke. Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
Although due its low flammability does not represent a serious risk of fire, all type of measures should be taken in order to avoid any possibility of ignition.
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 in a cool place. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. 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 storage : According to current legislation.
Temperature interval : min: 5. °C, max: 25. °C (recommended).
Incompatible materials:
Keep away from oxidizing agents, acids, alkalis.
Type of packaging:
According to current legislation.
Limit quantity (Seveso III): Directive 2012/18/EU:
Not applicable (the classification criteria are not met).
- 7.3 SPECIFIC END USES:
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 assessing 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 :
Not established.






BIOLOGICAL LIMIT VALUES:
Not available

DERIVED NO-EFFECT LEVEL (DNEL):
Derived no-effect level, workers:
Not available
Derived no-effect level, general population:
Not available

PREDICTED NO-EFFECT CONCENTRATION (PNEC):
Not available

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.

Protection of respiratory system:
Protection of eyes and face: It is recommended to 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.

<u>Mask:</u>	No.
<u>Safety goggles:</u>  ✓	Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.
<u>Face shield:</u>	No.
<u>Gloves:</u>  ✓	Protective gloves of a suitable material (EN374).
<u>Boots:</u>	No.
<u>Apron:</u>	No.
<u>Clothing:</u>	No.

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



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Appearance

- Physical state : Liquid.
- Colour : Colourless.
- Odour : Characteristic.

pH-value

- pH : Not applicable (neutral organic substance).

Change of state

- Initial boiling point : 35. °C at 760 mmHg

Density

- Relative density : 1.16 at 20/4°C Relative water

Stability

- Decomposition temperature : Not available

Viscosity:

Volatility:

Solubility(ies)

- Solubility in water : Miscible.
- Solubility in organic solvents : No disponible

Flammability:

- Flash point : 208. °C
- Autoignition temperature : Not applicable (do not sustain combustion).

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:

- VOC (supply) : 2.0 g/l

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.

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.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Possible dangerous reaction with oxidizing agents, acids, alkalis.

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.

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, alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

As consequence of thermal decomposition, hazardous products may be produced: nitrogen oxides. No product of decomposition is dangerous if stored and handled properly.



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SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Dose and lethal concentrations :

2-(2H-benzotriazol-2-yl)-4-methyl-6-dodecylphenol

LD50 (OECD 401)
mg/kg bw oral
> 2000. Rat

LD50 (OECD 402)
mg/kg bw cutaneous

LC50 (OECD 403)
mg/m³-4h inhalation

Estimates of acute toxicity (ATE) :

Not classified as a product with acute toxicity.

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity:

Inhalation: Not classified as a product with acute toxicity if inhaled.

Skin: Not classified as a product with acute toxicity in contact with skin.

Eyes: Not classified as a product with acute toxicity by eye contact.

Ingestion: Not classified as a product with acute toxicity if swallowed.

CORROSION / IRRITATION / SENSITISATION :

Respiratory corrosion/irritation: Not classified as a product corrosive or irritant by inhalation.

Skin corrosion/irritation: Not classified as a product corrosive or irritant in contact with skin.

Serious eye damage/irritation: Not classified as a product corrosive or irritant in contact with eyes.

Respiratory sensitisation: Not classified as a product sensitising by inhalation.

Skin sensitisation: Not classified as a product sensitising by skin contact.

ASPIRATION HAZARD:

Not classified as a product hazardous by aspiration.

SPECIFIC TARGET ORGANS TOXICITY (STOT):

Not classified as a dangerous product for target organs.

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 dust, through the skin and by ingestion.

Short-term exposure: May irritate the eyes and skin.

Long-term or repeated exposure: Repeated or prolonged skin contact may cause sensitization.

INTERACTIVE EFFECTS:

Not available.

INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:

Dermal absorption: Not available.

Basic toxicokinetics: Not available.

ADDITIONAL INFORMATION:

Not available.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 TOXICITY:

Acute toxicity in aquatic environment :

2-(2H-benzotriazol-2-yl)-4-methyl-6-dodecylphenol

LC50 (OECD 203)
mg/l-96hours
> 100. Fishes

EC50 (OECD 202)
mg/l-48hours
> 4.1 Daphnia

EC50 (OECD 201)
mg/l-72hours
> 10. Algae

12.2 PERSISTENCE AND DEGRADABILITY:

Biodegradability:

Not biodegradable.

Hydrolysis: Not available.

Photodegradability: Not available.

12.3 BIOACCUMULATIVE POTENTIAL:

May bioaccumulate.

Bioaccumulation

2-(2H-benzotriazol-2-yl)-4-methyl-6-dodecylphenol

log Pow

8.95

BCF L/kg

374. (calculated)

Potential

High

12.4 MOBILITY IN SOIL:

Not available.

Mobility

2-(2H-benzotriazol-2-yl)-4-methyl-6-dodecylphenol

log P_{oc}

6.11


Constant of Henry Pa·m³/mol 20°C

Potential

High

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.

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12.6	<u>OTHER ADVERSE EFFECTS:</u> <u>Ozone depletion potential:</u> Not applicable. <u>Photochemical ozone creation potential:</u> Not applicable. <u>Earth global warming potential:</u> Not available. <u>Endocrine disrupting potential:</u> No.	
SECTION 13 : DISPOSAL CONSIDERATIONS		
13.1	<u>WASTE TREATMENT METHODS:</u> 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. This material and its container must be disposed in a safe way. Waste should be handled and disposed in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8. <u>Disposal of empty containers:</u> 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 emptying 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. <u>Procedures for neutralising or destroying the product:</u> Authorised landfill in accordance with local regulations.	
SECTION 14 : TRANSPORT INFORMATION		
14.1	<u>UN NUMBER:</u> Not applicable	
14.2	<u>UN PROPER SHIPPING NAME:</u> Not applicable	
14.3	<u>TRANSPORT HAZARD CLASS(ES):</u> <u>Transport by road (ADR 2021) and Transport by rail (RID 2021):</u> Not regulated <u>Transport by sea (IMDG 39-18):</u> Not regulated <u>Transport by air (ICAO/IATA 2021):</u> Not regulated <u>Transport by inland waterways (ADN):</u> Not regulated	
14.4	<u>PACKING GROUP:</u> Not regulated	
14.5	<u>ENVIRONMENTAL HAZARDS:</u> Not applicable.	
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> 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.	
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not applicable.	
SECTION 15 : REGULATORY INFORMATION		
15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u> The regulations applicable to this product generally are listed throughout this Safety Data Sheet. <u>Restrictions on manufacture, placing on market and use:</u> See section 1.2 <u>Tactile warning of danger:</u> Not applicable (the classification criteria are not met). <u>Child safety protection:</u> Not applicable (the classification criteria are not met). <u>OTHER REGULATIONS:</u> <u>Responsabilidade ambiental:</u> A utilização deste produto em Portugal fica sujeita ao regime de responsabilidade ambiental previsto no DL.147/2008. <u>Control of the risks inherent in major accidents (Seveso III):</u> See section 7.2 <u>Other local legislations:</u> The receiver should verify the possible existence of local regulations applicable to the chemical.	
15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> A chemical safety assessment has been carried out for this product.	



QUICK MIX MULTIFIX (B)
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SECTION 16 : OTHER INFORMATION

TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

Hazard statements according the Regulation (EU) No. 1272/2008~2020/1182 (CLP), Annex III:

H411 Toxic to aquatic life with long lasting effects.

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/>

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 regulation on Classification, Labelling and 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.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LD50: Lethal dose, 50 percent.
- LC50: Lethal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangerous goods by road.
- RID: Regulations concerning the international transport of dangerous 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. 2015/830.

HISTORIC:

Version: Provisional

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 conditions are 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.