

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

# **SAFETY DATA SHEET**

FRS-40 SEMI-GLOSS BASE PANT COOL GREY 1C/7385

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

Product name SDS code : FRS-40 SEMI-GLOSS BASE PANT COOL GREY 1C/7385 : 40927385B

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

	Identified uses
Paint. Professional use Industrial use	
	Uses advised against
All other uses	
Product use	: Solvent borne coating for interior use.

#### 1.3 Details of the supplier of the safety data sheet

MAPAERO SAS 10, Avenue de la Rijole CS30098 09103 PAMIERS Cedex France e-mail address of person : PSRA PAMIERS@akzonobel.com

1.4 Emergency telephone number

responsible for this SDS

National advisory body	Poison Center
Telephone number	: +358 (0)9 471977

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<u>Supplier</u>	
Telephone number	: +33 (0)5 34 01 34 01 +33 (0)5 61 60 23 30
Hours of operation	:

## **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Product definition : Mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 STOT RE 2, H373

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

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## **SECTION 2: Hazards identification**

See Section 11 for more detailed information on health effects and symptoms.

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### 2.2 Label elements

Hazard pictograms



Signal word	:	Warning
Hazard statements	:	Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements		
Prevention	:	Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapor. Wash hands thoroughly after handling.
Response	:	Get medical advice or attention if you feel unwell. IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	:	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	<ul> <li>P-butyl acetate</li> <li>Reaction mass of ethylbenzene and xylene</li> <li>2-methoxy-1-methylethyl acetate</li> </ul>
Supplemental label elements	:	Contains methyl methacrylate. May produce an allergic reaction. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Special packaging requirem	en	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	:	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	:	None known.

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≥10 - ≤15	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	[1] [2]
Reaction mass of ethylbenzene and xylene	REACH #: 01-2119488216-32	≥10 - <20	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
2-methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6	≤10	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
methyl methacrylate	REACH #: 01-2119452498-28 EC: 201-297-1 CAS: 80-62-6 Index: 607-035-00-6	≤0.3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
cyclohexanone	REACH #: 01-2119453616-35 CAS: 108-94-1 Index: 606-010-00-7	≤0.3	Flam. Liq. 3, H226 Acute Tox. 4, H332	[1] [2]
Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119456620-43 EC: 926-141-6	≤0.2	Asp. Tox. 1, H304 EUH066	[1]
			See Section 16 for the full text of the H statements declared above.	

## **SECTION 3: Composition/information on ingredients**

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.



## **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### 4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains methyl methacrylate. May produce an allergic reaction.

### Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain or irritation watering
	redness



## SECTION 4: First aid measures

Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	<ul> <li>Adverse symptoms may include the following: irritation redness</li> </ul>
Ingestion	: No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.

## **SECTION 5: Firefighting measures**

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5.1 Extinguishing media	
Suitable extinguishing media	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	Do not use water jet.
5.2 Special hazards arising	n the substance or mixture
Hazards from the substance or mixture	Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, w the risk of a subsequent explosion.
Hazardous combustion products	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection fo chemical incidents.

## **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

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For non-emergency personnel	entering. Do not touch or walk through No flares, smoking or flames in hazard	necessary and unprotected personnel from n spilled material. Shut off all ignition sources. d area. Avoid breathing vapor or mist. ppropriate respirator when ventilation is
For emergency responders	: If specialized clothing is required to de information in Section 8 on suitable an information in "For non-emergency per	d unsuitable materials. See also the
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### **SECTION 6: Accidental release measures**

6.2 Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and materials for	or containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### Seveso Directive - Reporting thresholds

#### Danger criteria

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S	SECTION 7: Handling and storage			
		Notification and MAPP threshold	Safety report threshold	
	P5c	5000 tonne	50000 tonne	

### 7.3 Specific end use(s)

Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

### SECTION 8: Exposure controls/personal protection

:1-10-2022

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

Date of previous issue

#### **Occupational exposure limits** p-butyl acetate Institute of Occupational Health, Ministry of Social Affairs (Finland, 12/2019). STEL: 960 mg/m<sup>3</sup> 15 minutes. STEL: 200 ppm 15 minutes. TWA: 720 mg/m<sup>3</sup> 8 hours. TWA: 150 ppm 8 hours. Reaction mass of ethylbenzene and xylene Institute of Occupational Health, Ministry of Social Affairs (Finland, 12/2019). Absorbed through skin. STEL: 440 mg/m<sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. TWA: 220 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. Institute of Occupational Health, Ministry of Social Affairs 2-methoxy-1-methylethyl acetate (Finland, 6/2018). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 270 mg/m<sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes. STEL: 550 mg/m<sup>3</sup> 15 minutes. Institute of Occupational Health, Ministry of Social Affairs methyl methacrylate (Finland, 12/2019). STEL: 210 mg/m3 15 minutes. STEL: 50 ppm 15 minutes. TWA: 42 mg/m<sup>3</sup> 8 hours. TWA: 10 ppm 8 hours. Institute of Occupational Health, Ministry of Social Affairs cyclohexanone (Finland, 12/2019). Absorbed through skin. STEL: 82 mg/m<sup>3</sup> 15 minutes. STEL: 20 ppm 15 minutes. TWA: 41 mg/m<sup>3</sup> 8 hours. TWA: 10 ppm 8 hours. **Recommended monitoring** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness procedures of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance : 1-11-2022 Date of issue/Date of revision Version : 1.01 AkzoNobel

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## **SECTION 8: Exposure controls/personal protection**

documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

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DNEL     Long term Oral     1.5 mg/kg     General     S       bw/day     population			bw/day			
bw/day population	Systemic		1.5 mg/kg	Long term Oral	DNEL	
e of issue/Date of revision :1-11-2022 Version :1.01		population		-		
e of issue/Date of revision : 1-11-2022 Version : 1.01	<u> </u>				<u> </u>	
		: 1.01				
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<b>SECTION 8: Exposure cont</b>	rols/p	ersonal prote	ction		
	DNEL	Short term Dermal	4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	10 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	20 mg/m³	General population	Local
	DNEL	Short term Inhalation	20 mg/m³	General population	Systemic
	DNEL	Short term Inhalation	40 mg/m³	General population	Local
	DNEL	Long term Inhalation	40 mg/m³	Workers	Local
	DNEL	Long term Inhalation	40 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	80 mg/m³	Workers	Local
	DNEL	Short term Inhalation	80 mg/m³	Workers	Systemic

### **PNECs**

No PNECs available.

8.2 Exposure controls			
Appropriate engineering controls	ventilation or other en contaminants below a controls also need to	te ventilation. Use process enclosure gineering controls to keep worker exp my recommended or statutory limits. keep gas, vapor or dust concentration explosion-proof ventilation equipment	posure to airborne The engineering ns below any lower
Individual protection meas	ures		
Hygiene measures	before eating, smokin Appropriate technique Wash contaminated o	is and face thoroughly after handling ig and using the lavatory and at the er es should be used to remove potentia clothing before reusing. Ensure that e ose to the workstation location.	nd of the working period. Ily contaminated clothing.
Eye/face protection	assessment indicates gases or dusts. If cor	lying with an approved standard shou this is necessary to avoid exposure to ntact is possible, the following protect nt indicates a higher degree of protect	to liquid splashes, mists, ion should be worn,
Skin protection			
Hand protection	be worn at all times w this is necessary. Co check during use that should be noted that different for different g	npervious gloves complying with an a then handling chemical products if a r nsidering the parameters specified by the gloves are still retaining their pro the time to breakthrough for any glove glove manufacturers. In the case of r he protection time of the gloves cann	isk assessment indicates y the glove manufacturer, tective properties. It e material may be nixtures, consisting of
	protection class of 6 ( recommended. Reco When only brief conta (breakthrough time > Recommended glove	equently repeated contact may occur breakthrough time >480 minutes acc ommended gloves: Viton ® or Nitrile, t act is expected, a glove with protection 30 minutes according to EN374) is re- s: Nitrile, thickness ≥ 0.12 mm. laced regularly and if there is any sign	ording to EN374) is thickness ≥ 0.38mm. n class of 2 or higher commended.
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## **SECTION 8: Exposure controls/personal protection**

		The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.
		The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>		
Physical state	:	Liquid.
Color	:	Gray.
Odor	:	Characteristic.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point/freezing point	:	Not available.
Initial boiling point and boiling range	:	Not available.
Flash point	:	Closed cup: 28°C
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Upper/lower flammability or explosive limits	:	Not available.
Vapor pressure	:	Not available.
Vapor density	:	Highest known value: 4.6 (Air = 1) (2-methoxy-1-methylethyl acetate). Weighted average: 3.99 (Air = 1)
Density	:	1.403 g/cm³
Solubility(ies)	:	Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Kinematic (room temperature): 7.84 cm²/s Kinematic (40°C): 1.01 cm²/s

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## **SECTION 10: Stability and reactivity**

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

### Acute toxicity

Reaction mass of LC Ethylbenzene and xylene methyl methacrylate LC LC LC Ethylbenzene and xylene methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	250 Inhalation Gas. 250 Inhalation Vapor 250 Dermal 250 Intraperitoneal 250 Oral 250 Oral 250 Oral 250 Oral 250 Inhalation Gas. 250 Inhalation Vapor 250 Inhalation Vapor 250 Inhalation Vapor 250 Inhalation Vapor	Rat Mouse Rabbit Mouse Guinea pig Mouse Rabbit Rat Rat Mouse Rat	390 ppm 6 g/m <sup>3</sup> >17600 mg/kg 1230 mg/kg 4700 mg/kg 6 g/kg 3200 mg/kg 10768 mg/kg 5000 ppm 18500 mg/m <sup>3</sup>	4 hours 2 hours - - - - - 4 hours 2 hours
Reaction mass of LC LC LC LC LC LC LC LC LC LC methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	050 Dermal 050 Intraperitoneal 050 Oral 050 Oral 050 Oral 050 Oral 050 Inhalation Gas. 050 Inhalation Vapor 050 Inhalation Vapor	Rabbit Mouse Guinea pig Mouse Rabbit Rat Rat Mouse	6 g/m <sup>3</sup> >17600 mg/kg 1230 mg/kg 4700 mg/kg 6 g/kg 3200 mg/kg 10768 mg/kg 5000 ppm 18500 mg/m <sup>3</sup>	- - - - - 4 hours
Reaction mass of LC LC LC LC LC LC LC LC LC LC methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	050 Dermal 050 Intraperitoneal 050 Oral 050 Oral 050 Oral 050 Oral 050 Inhalation Gas. 050 Inhalation Vapor 050 Inhalation Vapor	Mouse Guinea pig Mouse Rabbit Rat Rat Mouse	1230 mg/kg 4700 mg/kg 6 g/kg 3200 mg/kg 10768 mg/kg 5000 ppm 18500 mg/m <sup>3</sup>	
Reaction mass of LC Ethylbenzene and xylene methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	050 Oral 050 Oral 050 Oral 050 Oral 050 Inhalation Gas. 050 Inhalation Vapor 050 Inhalation Vapor	Guinea pig Mouse Rabbit Rat Rat Mouse	1230 mg/kg 4700 mg/kg 6 g/kg 3200 mg/kg 10768 mg/kg 5000 ppm 18500 mg/m <sup>3</sup>	
Reaction mass of LC Ethylbenzene and xylene methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	050 Oral 050 Oral 050 Oral 050 Oral 050 Inhalation Gas. 050 Inhalation Vapor 050 Inhalation Vapor	Mouse Rabbit Rat Rat Mouse	4700 mg/kg 6 g/kg 3200 mg/kg 10768 mg/kg 5000 ppm 18500 mg/m <sup>3</sup>	
Reaction mass of LC ethylbenzene and xylene methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	050 Oral 050 Oral 050 Inhalation Gas. 050 Inhalation Vapor 050 Inhalation Vapor 050 Dermal	Mouse Rabbit Rat Rat Mouse	3200 mg/kg 10768 mg/kg 5000 ppm 18500 mg/m <sup>3</sup>	
Reaction mass of LC ethylbenzene and xylene methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	050 Oral 050 Inhalation Gas. 050 Inhalation Vapor 050 Inhalation Vapor 050 Dermal	Rat Rat Mouse	3200 mg/kg 10768 mg/kg 5000 ppm 18500 mg/m <sup>3</sup>	
Reaction mass of LC ethylbenzene and xylene methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	C50 Inhalation Gas. C50 Inhalation Vapor C50 Inhalation Vapor D50 Dermal	Rat Rat Mouse	10768 mg/kg 5000 ppm 18500 mg/m³	
ethylbenzene and xylene methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC	C50 Inhalation Vapor C50 Inhalation Vapor D50 Dermal	Mouse	5000 ppm 18500 mg/m <sup>3</sup>	
methyl methacrylate LC LC LC LC LC LC LC LC LC LC LC LC LC L	C50 Inhalation Vapor D50 Dermal			2 hours
cyclohexanone	C50 Inhalation Vapor D50 Dermal			12 nours
LC LC LC LC LC LC LC LC LC LC LC LC LC L	)50 Dermal		78000 mg/m <sup>3</sup>	4 hours
LE LC LC LC LC LC LC LC LC LC LC LC LC LC		Rabbit	>5 g/kg	-
LC LC LC LC LC LC LC LC LC LC LC LC LC L		Guinea pig	1890 mg/kg	_
LC LC LC LC LC LC LC LC LC LC LC LC LC L	050 Intraperitoneal	Mouse	945 mg/kg	-
LE LE LE LE LE LE cyclohexanone LC	050 Intraperitoneal	Rat	1328 mg/kg	_
LE LE LE LE LE Cyclohexanone	050 Oral	Guinea pig	5954 mg/kg	-
LE LE LE LE Cyclohexanone LC	050 Oral	Mouse	3625 mg/kg	-
LE LE LE cyclohexanone LC	050 Oral	Rabbit	8700 mg/kg	_
LE LE cyclohexanone LC	050 Oral	Rat	7872 mg/kg	_
LE LC cyclohexanone LC	050 Subcutaneous	Guinea pig	5954 mg/kg	-
cyclohexanone LC	050 Subcutaneous	Mouse	5954 mg/kg	-
	050 Subcutaneous	Rat	7088 mg/kg	-
	50 Inhalation Gas.	Rat	8000 ppm	4 hours
	050 Dermal	Rabbit	1 mL/kg	-
LC	050 Intraperitoneal	Guinea pig	930 mg/kg	-
	050 Intraperitoneal	Mouse	1230 mg/kg	-
LC	050 Intraperitoneal	Mouse	1230 mg/kg	-
	050 Intraperitoneal	Rabbit	1540 mg/kg	-
	050 Intraperitoneal	Rabbit	1540 mg/kg	-
LC	050 Intraperitoneal	Rat	1130 mg/kg	-
	050 Intraperitoneal	Rat	1130 mg/kg	-
	050 Oral	Mouse	1400 mg/kg	-
	050 Oral	Rat	1800 mg/kg	-
	050 Oral	Rat	1620 uL/kg	-
LE	050 Subcutaneous	Rat	2170 mg/kg	-
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## **SECTION 11: Toxicological information**

## **Conclusion/Summary** : Not available.

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>p</b> -butyl acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Reaction mass of ethylbenzene and xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 mg	-
	Skin - Mild irritant	Rat	-	8 hours 60 UI	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Moderate irritant	Rabbit	-	100 %	-
cyclohexanone	Eyes - Severe irritant	Rabbit	-	24 hours 250 ug	-
	Eyes - Severe irritant	Rabbit	-	20 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Conclusion/Summary	: Not available.		•	•	•
Sensitization					

<u>Sensitization</u>		
Conclusion/Summary	:	Not available.
<u>Mutagenicity</u>		
Conclusion/Summary	:	Not available.
<b>Carcinogenicity</b>		
Conclusion/Summary	:	Not available.
Reproductive toxicity		
Conclusion/Summary	:	Not available.
Teratogenicity		
<b>Conclusion/Summary</b>	:	Not available.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
<b>n</b> -butyl acetate Reaction mass of ethylbenzene and xylene	Category 3 Category 3	-	Narcotic effects Respiratory tract irritation
2-methoxy-1-methylethyl acetate methyl methacrylate	Category 3 Category 3	-	Narcotic effects Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Reaction mass of ethylbenzene and xylene	Category 2	-	-

### Aspiration hazard

Product/ingredient name	Result
Reaction mass of ethylbenzene and xylene Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

### Information on the likely : Not available. routes of exposure



## **SECTION 11: Toxicological information**

SECTION 11: Toxico	logical information
Potential acute health effects	5
Eye contact	: Causes serious eye irritation.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: Causes skin irritation.
Ingestion	: Can cause central nervous system (CNS) depression.
	vsical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
<b>.</b>	
	cts and also chronic effects from short and long term exposure
<u>Short term exposure</u> Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ects</u>
Not available.	
Conclusion/Summary	: Not available.
General	: May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

### **SECTION 12: Ecological information**

### 12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment, but contains substance(s) hazardous to the environment. See section 3 for details.

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## **SECTION 12: Ecological information**

Product/ingredient name	Result	Species	Exposure	
n-butyl acetate	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours	
	Acute LC50 100000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours	
	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 185000 µg/l Marine water	Fish - Menidia beryllina	96 hours	
	Acute LC50 62000 µg/l Fresh water	Fish - Danio rerio	96 hours	
Reaction mass of ethylbenzene and xylene	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
methyl methacrylate	Acute LC50 191000 μg/l Fresh water	Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours	
	Acute LC50 159100 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 160200 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 150000 μg/l Fresh water	Fish - Pimephales promelas - Adult	96 hours	
	Acute LC50 130000 µg/l Fresh water	Fish - Pimephales promelas - Adult	96 hours	
cyclohexanone	Acute EC50 32.9 mg/l Fresh water	Algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours	
	Acute LC50 630000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 527000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Acute LC50 732000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	

**Conclusion/Summary** 

: Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
-butyl acetate	2.3	-	low
Reaction mass of ethylbenzene and xylene	3.12	8.1 to 25.9	low
2-methoxy-1-methylethyl acetate	1.2	-	low
methyl methacrylate cyclohexanone	1.38 0.86	-	low low

### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.



## **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

<u>Product</u>	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
Disposal considerations	<ul> <li>Do not allow to enter drains or watercourses.</li> <li>Dispose of according to all federal, state and local applicable regulations.</li> <li>If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.</li> <li>For further information, contact your local waste authority.</li> </ul>

### European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation
EWC 08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Disposal considerations	<ul> <li>Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.</li> </ul>
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

	ADR/RID	IMDG		ΙΑΤΑ
14.1 UN number	UN1263	UN1263	UN1263	
14.2 UN proper shipping name	PAINT	PAINT	PAINT	
14.3 Transport hazard class(es)	3	3	3	
14.4 Packing group				
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SECTION 14: Transport information						
14.5 Environmental hazards	No.			No.		No.
Additional informat	ion					·
ADR/RID		:		50 L according to 2.2.3	•	d is not subject to regulation in
IMDG		:				d is not subject to regulation in
14.6 Special precaut user	tions for	:		Ensure that persons		rt in closed containers that are g the product know what to do in
14.7 Transport in bu according to IMO instruments	ılk	:	Not applicable.			
SECTION 15: F	Regulat	or	y information	1		
15.1 Safety, health a EU Regulation (EC) Annex XIV - List o	No. 1907	/20	-		or the subs	stance or mixture
Annex XIV						

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market

and use of certain dangerous substances, mixtures and articles

Other EU regulations

voc

: The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

#### VOC for Ready-for-Use : Not applicable. Mixture

Industrial emissions (integrated pollution prevention and control) - Air	:	Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	Not listed
Ozone depleting substance	es	<u>(1005/2009/EU)</u>

Not listed.

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

### Seveso Directive

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SECTION	15: Regulatory information
•	ct is controlled under the Seveso Directive.
Danger	
Catego	/
P5c	
Industria	<ul> <li>The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.</li> </ul>
NACE	: Not available.
UC62	: Not available.
	al regulations
Chemical V	leapon Convention List Schedules I, II & III Chemicals
Not listed.	
Montreal P	<u>rotocol</u>
Not listed.	
<u>Stockholm</u> Not listed.	Convention on Persistent Organic Pollutants
	Convertion on Drive Informed Concert (DIC)
Not listed.	Convention on Prior Informed Consent (PIC)
<u>UNECE Aa</u> Not listed.	hus Protocol on POPs and Heavy Metals
Inventory	st
Europe	: Not determined.
15.2 Chemic Assessmen	al Safety : No Chemical Safety Assessment has been carried out.
SECTIO	16: Other information
Indicates	information that has changed from previously issued version.
Abbreviatio acronyms	

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration

- RRN = REACH Registration Number
- SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method

### Full text of abbreviated H statements

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SECTION 16: Othe	r information
<b>⊮</b> 225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
Full text of classifications	[CLP/GHS]
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM) - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITIZATION - Category 1
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY (REPEATED
	EXPOSURE) - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) -
	Category 3
Date of printing	: 1 November 2022
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Date of previous issue	: 1 October 2022
Version	: 1.01
Unique ID	
Notice to reader	

### Notice to reader

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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