Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 10 February 2022 Version : 4



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

1.1 Product identifier	
Product name	: SIGMASHIELD 420 BASE GREY
Product code	: 00191016
Product type	: Liquid.
Other means of identificati	on
Not available.	
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	the safety data sheet
Sigma Paint Saudi Arabia Lto	
PO Box 7509 Dammam 31472	
Saudi Arabia	
Tel: 00966 138 47 31 00	
Fax: 00966 138 47 17 34	
e-mail address of person	: ndpic@sfda.gov.sa
responsible for this SDS	
1.4 Emergency telephone	: 00966 138473100 extn 1001

# SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition : Mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u>

Fam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411

number

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.

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

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# SECTION 2: Hazards identification

Signal word	: Danger
Hazard statements	<ul> <li>Mammable liquid and vapour.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye damage.</li> <li>Toxic to aquatic life with long lasting effects.</li> </ul>
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. Avoid release to the environment.
Response	: Collect spillage. 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.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazardous ingredients	<ul> <li>Jøs-[4-(2,3-epoxipropoxi)phenyl]propane</li> <li>2-methylpropan-1-ol</li> <li>nonylphenol</li> <li>Octadecanamide, N,N'-1,6-hexanediylbis[12-hydroxy-</li> </ul>
Supplemental label elements	<ul> <li>Contains epoxy constituents. May produce an allergic reaction.</li> <li>Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.</li> </ul>
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	i <u>ents</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	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do	: Prolonged or repeated contact may dry skin and cause irritation.

Other hazards which do not result in classification

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

3.2 Mixtures : Product/ingredient name	Mixture Identifiers	% by weight	<u>Classification</u> Regulation (EC) No. 1272/2008 [CLP]	Туре
bis-[4-(2,3-epoxipropoxi)phenyl] propane ethylbenzene	REACH #: 01-2119456619-26 EC: 216-823-5 CAS: 1675-54-3 Index: 603-073-00-2 REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4	≥10 - ≤25 ≥5.0 - <10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373	[1]
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Code : 00191016 SIGMASHIELD 420 BASE GREY	Date	e of issue/Date of r	evision : 10 Februa	ry 2022
SECTION 3: Compositi	on/information on ing	gredients		
xylene	Index: 601-023-00-4 REACH #: 01-2119488216-3 EC: 215-535-7	32 ≥1.0 - ≤5.0	(hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412 Flam. Liq. 3, H226 Acute Tox. 4, H312	[1] [2]
	CAS: 1330-20-7 Index: 601-022-00-9		Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	
2-methylpropan-1-ol	REACH #: 01-2119484609-2 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	23 ≥1.0 - ≤5.0	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
nonylphenol	EC: 246-672-0 CAS: 25154-52-3 Index: 601-053-00-8	≥0.30 - <2.5	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1] [5]
Octadecanamide, N, N'-1,6-hexanediylbis[12-hydroxy-	CAS: 55349-01-4	≥1.0 - ≤5.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413	[1]

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

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.

#### Туре

[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.

#### SUB codes represent substances without registered CAS Numbers.

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

#### 4.1 Description of first aid measures

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	<ul> <li>Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.</li> </ul>
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	<ul> <li>If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>
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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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SIGMASHIELD 420 BASE	GREY
<b>SECTION 4: First</b>	aid measures
4.2 Most important symp	otoms and effects, both acute and delayed
Potential acute health e	<u>effects</u>
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/sy</u>	<u>ymptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any imm	nediate medical attention and special treatment needed
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

# **SECTION 5: Firefighting measures**

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 f	rom the substance or mixture
Hazards from the substance or mixture	: Fammable liquid and vapour. 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, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if 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.

standard EN 469 will provide a basic level of protection for chemical incidents.

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

6.1 Personal precautions, pro	ctive equipment and emergency procedures
For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel".
6.2 Environmental precautions	Avoid dispersal of spilt 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	ntainment 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 the 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 spilt 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

this product is used. Do not get in eyes of on skin of clothing. Do not breathe vapour of mist. Do not ingest. Avoid release to the environment. 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.	ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter
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SIGMASHIELD 420 BASE (	GREY
<b>SECTION 7: Handli</b>	ing and storage
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 between the following temperatures: 0 to 35°C (32 to 95°F). 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 oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be

Section 10 for incompatible materials before handling or use.

carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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

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

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).

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
ethylbenzene	EU OEL (Europe, 10/2019). Absorbed through skin.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 442 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
xylene	EU OEL (Europe, 10/2019). Absorbed through skin.
	STEL: 442 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
2-methylpropan-1-ol	ACGIH TLV (United States, 1/2021).
	TWA: 152 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.

**Recommended monitoring** procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required 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 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 documents for methods for the determination of hazardous substances will also be required.

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•	re controls/personal protection
3.2 Exposure controls	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation of other engineering controls to keep worker exposure to airborne contaminants below ar recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection measu	<u>ires</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection <u>Skin protection</u>	: Chemical splash goggles and face shield.
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. 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.
Gloves	: butyl rubber
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 antistatic 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	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
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**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

Appearance	
Physical state	: Liquid.
Colour	: Various

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SECTION 9: Physical ar	nd chemical pr	operties						
Odour	: Characteristic.							
Odour threshold	: Not available.							
рН	: insoluble in water.							
Melting point/freezing point	based on data for	: May start to solidify at the following temperature: 8 to 12°C (46.4 to 53.6°F) This is based on data for the following ingredient: bis-[4-(2,3-epoxipropoxi)phenyl]propane. Weighted average: -24.3°C (-11.7°F)						
Initial boiling point and boiling range	: >37.78°C							
Flash point	: 🛙 closed cup: 28.5°	C						
Evaporation rate	: <b>⊮</b> íghest known va butyl acetate	lue: 0.84 (et	nylbenz	ene) Weight	ed avera	ige: 0.7com	pared with	
Flammability (solid, gas)	: liquid							
Upper/lower flammability or explosive limits	: Greatest known ra	ange: Lower:	1.7%	Upper: 10.9%	5 (2-metl	nylpropan-1	-ol)	
Vapour pressure	:		Vapour Pressure at 20°C			Vapour pressure at 50°C		
	Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
	2-methylpropan-1-ol	<12	<1.6	DIN EN 13016-2				
Vapour density	: <mark>H</mark> ighest known va Weighted average			(bis-[4-(2,3-e	ooxiprop	oxi)phenyl]	propane).	
Relative density	: 1.38							
Solubility(ies)	: Insoluble in the fo	llowing mate	rials: co	old water.				
Partition coefficient: n-octanol/ water	: Not applicable.							
Auto-ignition temperature	: Ingredient name	)	°C	°F		Method		
	ponylphenol		370	698				
Decomposition temperature	: Stable under reco	mmended s	orage a	and handling	conditior	ns (see Sec	tion 7).	
· · · · · · · · · · · · · · · · · · ·	: Kinematic (40°C):		5	5		`	,	
Explosive properties	: Product does not		xplosio	n hazard.				
Oxidising properties	: Product does not	•	•					

#### 9.2 Other information

No additional information.

<b>SECTION 10: Stabilit</b>	y 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	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
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## **SECTION 10: Stability and reactivity**

# 10.6 Hazardous decomposition products

Code

: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides

### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

: 00191016

SIGMASHIELD 420 BASE GREY

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
s-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
nonylphenol	LD50 Dermal	Rabbit	2.14 g/kg	-
	LD50 Oral	Rat	580 mg/kg	-

#### **Conclusion/Summary**

: There are no data available on the mixture itself.

#### Acute toxicity estimates

Route	ATE value
Øral	38880.51 mg/kg
Dermal	46250.32 mg/kg
Inhalation (vapours)	145.48 mg/l

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ቓis-[4-(2,3-epoxipropoxi)phenyl]propane	Eyes - Redness of the	Rabbit	0.4	24 hours	-
	conjunctivae				
	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Skin - Erythema/Eschar	Rabbit	0.8	4 hours	-
	Skin - Oedema	Rabbit	0.5	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

#### Conclusion/Summary

Skin

: There are no data available on the mixture itself.

Eyes

: There are no data available on the mixture itself.

Respiratory : There are no

: There are no data available on the mixture itself.

#### Sensitisation

Product/ingredient name		Route of exposure	Species	Result	
▶s-[4-(2,3-epoxipropoxi)phenyl]propane		skin	Mouse	Sensitising	
Conclusion/Summary					
Skin : There are no data avail		ilable on the mixture	e itself.		
Respiratory	ory : There are no data avail		e itself.		
Mutagenicity					
Conclusion/Summary	nmary : There are no data available on the mixture itsel		e itself.		
<b>Carcinogenicity</b>					

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<b>SECTION 11: Toxicol</b>	logical information				
Conclusion/Summary	: There are no data available	e on the mi	xture its	self.	
Reproductive toxicity					
Conclusion/Summary	: There are no data available	e on the mi	xture its	self.	
<u>Teratogenicity</u>					
Conclusion/Summary	: There are no data available	e on the mi	xture its	self.	
Specific target organ toxicit					
Product/ing	redient name	Catego	ry	Route of exposure	Target organs
xylene		Category			Respiratory tract irritation
2-methylpropan-1-ol		Category Category			Respiratory tract irritation
Specific target organ toxicit	v (repeated exposure)	outegory	0		
	redient name	Catego		Route of	Target organs
Product/iligi		Calego	' y	exposure	rarget organs
ethylbenzene		Category	/2 -		hearing organs
Aspiration hazard					
Product/i	ngredient name				Result
ethylbenzene				TION HAZARD	
xylene		A	SPIRA	FION HAZARD	) - Category 1
Information on likely routes of exposure Potential acute health effect	: Not available.				
Inhalation	<ul> <li>No known significant effect</li> </ul>	ts or critical	hazaro	le	
Ingestion	: No known significant effect				
Skin contact	: Causes skin irritation. Defa				allergic skin reaction
Eye contact	: Causes serious eye damage	-	, SKIII.	may cause an	
	vsical, chemical and toxicolo		acteris	tics	
Inhalation	: No specific data.				
Ingestion	<ul> <li>Adverse symptoms may include the following: stomach pains</li> </ul>				
Skin contact	: Adverse symptoms may in pain or irritation	clude the fo	ollowing	:	
	redness				
	dryness cracking				
	blistering may occur				
Eye contact	: Adverse symptoms may in	clude the fo	ollowing	:	
	pain watering				
	watering redness				
Delayed and immediate effe	cts as well as chronic effects	s from sho	rt and	long-term exp	<u>oosure</u>
Short term exposure					
Potential immediate effects	: Not available.				
Potential delayed effects	: Not available.				
Long term exposure					
Potential immediate effects	: Not available.				
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# **SECTION 11: Toxicological information**

### Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	: Not available.
General	Frolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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.

Frolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
s-[4-(2,3-epoxipropoxi)phenyl]propane	Acute LC50 1.8 mg/l Fresh	Daphnia - daphnia	48 hours
	water	magna	
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh	Daphnia	48 hours
	water		
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
nonylphenol	Acute EC50 0.056 mg/l	Algae -	72 hours
	Fresh water	Desmodesmus	
		subspicatus	
	Chronic EC10 0.003 mg/l	Algae -	72 hours
	Fresh water	Desmodesmus	
		subspicatus	
	Chronic NOEC 1 µg/l Fresh	Daphnia - Daphnia	21 days
	water	magna	

**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum	
ethylbenzene	-	79 % - Readily - 10 da	79 % - Readily - 10 days		-	
<b>Conclusion/Summary</b> : There are no data available on the mixture itself.						
Product/ingredient name Aquatic half-life Photolysis Biodegradability						
pís-[4-(2,3-epoxipropoxi)pheny ethylbenzene xylene	/l]propane				Not readily Readily Readily	

#### **12.3 Bioaccumulative potential**

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Product/ingredient name	LogPow	BCF	Potential
ethylbenzene	3.6	79.43	low
xylene	3.12	7.4 to 18.5	low
2-methylpropan-1-ol	1	-	low
nonylphenol	3.28	154.88	low

Soil/water partition	: Not available.
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

Product	
Methods of disposal	: The generation of waste should be avoided or minimised 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	: Yes.
E	

#### European waste catalogue (EWC)

Waste code	Waste designation		
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 minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)		
Container	5 01 06 mixed packaging		
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. Vapour 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

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# **SECTION 14: Transport information**

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Code

	ADR/RID	IMDG	IATA
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		111	111
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	[ੴis-[4-(2,3-epoxipropoxi) phenyl]propane, nonylphenol)	Not applicable.

#### **Additional information**

ADR/RID	<ul> <li>The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.</li> </ul>			
Tunnel code	: (D/E)			
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq$ 5 L or $\leq$ 5 kg.			
IATA : The environmentally hazardous substance mark may appear if required by other transportation regulations.				
14.6 Special pred user	cautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.			
14.7 Transport ir according to IMC instruments				

# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Substance of equivalent concern for environment	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	Candidate	ED/169/2012	4/19/2013

Conforms to Regulation (EC	) No. 1907/2006 (REACH), A	nnex II	
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SECTION 15: Regula	atory information		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Other national and international	tional regulations.		
Ozone depleting substand Not listed.	<u>ces (1005/2009/EU)</u>		
15.2 Chemical safety assessment	: No Chemical Safety Asse	essment has been carried out.	
SECTION 16: Other	information		
Indicates information that	has changed from previously	issued version.	
Abbreviations and acronyms	1272/2008] DNEL = Derived No Effe	belling and Packaging Regulation [Reg ct Level pecific Hazard statement fect Concentration	gulation (EC) No.
Full text of abbreviated H statements	H226Flammable liquH302Harmful if swaH304May be fatal ifH312Harmful in conH314Causes severeH315Causes severeH317May cause anH318Causes seriouH319Causes seriouH32Harmful if inhaH335May cause droH361fdSuspected of ofH373May cause darH400Very toxic to arH410Very toxic to aquatiH411Toxic to aquatiH412Harmful to aquadi	swallowed and enters airways. tact with skin. e skin burns and eye damage. ritation. allergic skin reaction. s eye damage. s eye irritation. led. piratory irritation. wsiness or dizziness. lamaging fertility. Suspected of damag nage to organs through prolonged or r	epeated exposure.
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Aquatic Chronic 4 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 2 Skin Corr. 1B Skin Irrit. 2 Skin Sens. 1	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRR SERIOUS EYE DAMAGE/EYE IRR FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category REPRODUCTIVE TOXICITY - Cate SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category	C HAZARD - Category 1 IC HAZARD - Category 1 IC HAZARD - Category 2 IC HAZARD - Category 3 IC HAZARD - Category 4 1 RITATION - Category 1 RITATION - Category 2 2 3 egory 2 Category 1B Category 2

English (GB)

**United Arab Emirates** 

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	STOT RE 2	SPECIFIC TARGET ORGAN TOX EXPOSURE - Category 2	ICITY - REPEATED
	STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
<u>History</u>			
Date of issue/ Date of revision	: 10 February 2022		
Date of previous issue	: 25 June 2021		
Prepared by	: EHS		
Version	: 4		
<u>Disclaimer</u>			

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