SAFETY DATA SHEET

United Arab Emirates

Date of issue/Date of revision

: 21 May 2024

Version

: 18

SECTION 1: Identific undertaking	cation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: SIGMACOVER 630 HARDENER
Product code	: 00145031
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	f the safety data sheet
Sigma Paint Saudi Arabia Lto	ł.
PO Box 7509 Dammam 31472	
Saudi Arabia	
Tel: 00966 138 47 31 00	
Fax: 00966 138 47 17 34	
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa
1.4 Emergency telephone number	: 00966 138473100 extn 1001

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 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361fd Aquatic Acute 1, H400 Aquatic Chronic 1, H410 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.

2.2 Label elements

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SIGMACOVER 630 HARDENE			
SECTION 2: Hazards	identification		
Hazard pictograms			
Signal word	: Danger		
Hazard statements	 Flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects. 		
Precautionary statements			
Prevention	: Wear protective gloves, protective clothing and 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	: 🖉ollect spillage. IF INHALED: Immediately call a POISON CENTER or doctor.		
Storage	: Not applicable.		
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P391, P304 + P310, P501 		
Hazardous ingredients	 #-nonylphenol, branched m-phenylenebis(methylamine) Propylidynetrimethanol, propoxylated, reaction products with ammonia 		
Supplemental label elements	: Not applicable.		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Special packaging requirem	<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 not result in classification	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.		
	May cause endocrine disruption.		

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
∯-nonylphenol, branched	REACH #: 01-2119510715-45 EC: 284-325-5 CAS: 84852-15-3 Index: 601-053-00-8	≥25 - ≤50	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 1300 mg/ kg M [Acute] = 10 M [Chronic] = 10	[1] [3]
m-phenylenebis (methylamine)	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0	≥10 - ≤22	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 EUH071	ATE [Oral] = 930 mg/ kg ATE [Inhalation (gases)] = 4500 ppm	[1] [2]
Propylidynetrimethanol, propoxylated, reaction products with ammonia	REACH #: 01-2119556886-20 EC: 500-105-6 CAS: 39423-51-3	≥10 - ≤25	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318 Aquatic Chronic 2, H411	ATE [Oral] = 500 mg/ kg ATE [Dermal] = 1100 mg/kg	[1]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥5.0 - ≤10	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥5.0 - ≤9.7	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤5.0	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]

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.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <u>Type</u>

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SECTION 3: Composition/information on ingredients

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance of equivalent concern

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	 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.
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	 If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
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.

4.2 Most important symptoms and effects, both acute and delayed

<u>effects</u>
: Causes serious eye damage.
: No known significant effects or critical hazards.
: Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
: Harmful if swallowed. Corrosive to the digestive tract. Causes burns.
symptoms
: Adverse symptoms may include the following: pain watering redness
: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
: Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

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SECTION 4: First aid	measures
4.3 Indication of any immedia	ate 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: Firefight	ting measures
5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , 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	: Flammable 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 very 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
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.
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 for chemical incidents.

6.1 Personal precautions, protective equipment and emergency procedures

of the croonal precountions, pre	~~~	cive 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 containment and cleaning up

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SECTION 6: Accidental release measures

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

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or 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.
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 carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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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			
m-phenylenebis(methylamine)	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). Absorbed through skin. Ceiling: 0.1 mg/m ³ ACGIH TLV (United States, 7/2023). Absorbed through skin.			
xylene	C: 0.018 ppm Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [xylene (o, m & p isomers)] STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). [xylene (all isomers)] STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. STEL: 651 mg/m ³ 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 7/2023). [p-xylene and mixtures containing p-xylene] Ototoxicant.			
2-methylpropan-1-ol	TWA: 20 ppm 8 hours. Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 152 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 152 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. ACGIH TLV (United States, 7/2023). TWA: 152 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. TWA: 50 ppm 8 hours.			
ethylbenzene	 Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). STEL: 543 mg/m³ 15 minutes. STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours. TWA: 434 mg/m³ 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). STEL: 125 ppm 15 minutes. TWA: 434 mg/m³ 8 hours. STEL: 125 ppm 15 minutes. TWA: 434 mg/m³ 8 hours. STEL: 543 mg/m³ 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 7/2023). Ototoxicant. Notes: Substances for which there is a Biological Exposure Index or Indices 2002 Adoption. TWA: 20 ppm 8 hours. 			

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Recommended monitoring procedures	:	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.
8.2 Exposure controls		
Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any 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	ires	
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 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	:	
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.

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SECTION 9: Physical and chemical properties

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

.1 Information on basic physic Appearance								
Physical state	:	Liquid.						
Colour	:	Yellow.						
Odour	:	Aromatic.						
Odour threshold	:	Not available.						
Melting point/freezing point	:	May start to solidify a data for the following -21.57°C (-6.8°F)		•	•	•	,	
Initial boiling point and boiling range	:	>37.78°C						
Flammability	:	Not available.						
Upper/lower flammability or explosive limits	:	Greatest known rang	ge: Lower:	1.7% U	pper: 10.9% (2-methyl	propan-1	-ol)
Flash point	:	Closed cup: 41.3°C						
Auto-ignition temperature	:	415°C (779°F)						
Decomposition temperature	:	Stable under recomm	mended st	orage ar	nd handling co	onditions ((see Sect	tion 7).
рН	1	Not applicable. insol	uble in wa	ter.				
Viscosity	:	Kinematic (40°C): >2	21 mm²/s					
Viscosity	1	< 30 s (ISO 6mm)						
Solubility(ies)	:							
Media		Result						
old water		Not soluble						
Partition coefficient: n-octano water	/:	Not applicable.						
Vapour pressure	:		Vapor	ur Press	ure at 20°C	Vapo	our press	sure at 50°C
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method

2-methylpropan-1-ol

vapour or dust with air is possible.

Product does not present an oxidizing hazard.

butyl acetate

: Not applicable.

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Evaporation rate

Vapour density

Relative density

0.95 : Highest known value: 7.59 (Air = 1) (4-nonylphenol, branched). Weighted average: 6.38 (Air = 1)

: The product itself is not explosive, but the formation of an explosible mixture of

DIN EN 13016-2 Highest known value: 0.84 (ethylbenzene) Weighted average: 0.72compared with

<12.00102 <1.6

Explosive properties

Oxidising properties Particle characteristics Median particle size

9.2 Other information

No additional information.

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SECTION 10: Stability and reactivity

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.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.5 Incompatible materials	
To.5 incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Image: Arrow of the second	LD50 Dermal	Rabbit	2.14 g/kg	-
	LD50 Oral	Rat	1300 mg/kg	-
m-phenylenebis(methylamine)	LC50 Inhalation Gas.	Rat	700 ppm	1 hours
	LD50 Dermal	Rat - Male, Female	>3100 mg/kg	-
	LD50 Oral	Rat	930 mg/kg	-
Propylidynetrimethanol, propoxylated, reaction products with ammonia	LD50 Dermal	Rabbit	0.4 g/kg	-
	LD50 Oral	Rat	0.22 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	-
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	-

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient	name	Result	Species	Score	Exposure	Observation
nonylphenol, branched m-phenylenebis(methylamir xylene	ne)	Skin - Erythema/Eschar Skin - Severe irritant Skin - Moderate irritant	Rabbit Rat Rabbit	4 - -	- 4 hours 24 hours 500 mg	- 4 hours -
Conclusion/Summary						
Skin	: There are	no data available on the r	nixture itself			

Skin	: There are no data available on the mixture itself.
Eyes	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Sensitisation	

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SECTION 11: Toxicological information

Product/ingredient name		Route of exposure	Species	Result	
m-phenylenebis(methylam	ine)	skin	Mouse	Sensitising	
Conclusion/Summary		I			
Skin	: There are no data ava	ailable on the mixtur	e itself.		
Respiratory	: There are no data ava	ailable on the mixtur	e itself.		
<u>Mutagenicity</u>					
Conclusion/Summary	: There are no data ava	ailable on the mixtur	e itself.		
Carcinogenicity					
Conclusion/Summary	: There are no data ava	ailable on the mixtur	e itself.		
Reproductive toxicity					
Conclusion/Summary	: There are no data ava	ailable on the mixtur	e itself.		
Teratogenicity					
Conclusion/Summary	: There are no data ava	ailable on the mixtur	e itself.		
Specific target organ toxi	<u>city (single exposure)</u>				

Product/ingredient name	Category	Route of exposure	Target organs
xylene 2-methylpropan-1-ol	Category 3 Category 3 Category 3	-	Respiratory tract irritation Respiratory tract irritation Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs

Aspiration hazard

Product/ingredient name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on likely : Not available.

routes of exposure

Potential acute health effects

Inhalation Ingestion Skin contact	lo known significant effects or critical hazards. larmful if swallowed. Corrosive to the digestive tract. Causes burns. Causes severe burns. Defatting to the skin. May cause an allergic sl	
Eye contact	Causes serious eye damage.	
Symptoms related to the pl	al, chemical and toxicological characteristics	
Inhalation	dverse symptoms may include the following: educed foetal weight ncrease in foetal deaths keletal malformations	
Ingestion	dverse symptoms may include the following: tomach pains educed foetal weight ncrease in foetal deaths keletal malformations	

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SECTION 11: Toxicol	0	gical information
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Delayed and immediate effe	cts	as well as chronic effects from short and long-term exposure
Short term exposure		
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 effe	ect	<u>5</u>
Not available.		
Conclusion/Summary	:	Not available.
General	:	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/o 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	:	Suspected of damaging fertility. Suspected of damaging the unborn child.

Other information : Not available.

Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. 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. Exposure to amine vapor has been reported to cause transient corneal edema described as blue haze, halo effect, foggy or blurred vision for several hours. This condition is typically temporary and does not cause permanent visual effects. When the proper eye protection specified in Section 8 is worn, exposure is significantly reduced and the condition has not been observed.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

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Readily

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
-nonylphenol, branched	Acute EC50 0.044 mg/l	Crustaceans - Moina macrocopa	48 hours
	Acute LC50 0.221 mg/l	, Fish	96 hours
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	

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 day	ys	-		-
Conclusion/Summary : There are no data available on the mixture itself.						
Product/ingredient name	Aquatic half-life	Photo	lysis	Bi	odegradability	
x vlene		-	-		Re	adilv

12.3 Bioaccumulative potential

ethylbenzene

Product/ingredient name	LogPow	BCF	Potential
-nonylphenol, branched	5.4	251.19	Low
m-phenylenebis(methylamine)	0.18	2.69	Low
Propylidynetrimethanol, propoxylated, reaction products with ammonia	-1.13	-	Low
xylene	3.12	7.4 to 18.5	Low
2-methylpropan-1-ol	1	-	Low
ethylbenzene	3.6	79.43	Low

12.4 Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	
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 Endocrine disrupting properties

 \mathbf{M} ay cause endocrine disruption.

12.7 Other adverse effects

No known significant effects or critical hazards.

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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.
European waste catalogue	(E	WC)

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	15 01 06	mixed packaging	
Special precautions	taken when Empty conta residues ma Do not cut, v	al and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. ainers or liners may retain some product residues. Vapour from product by create a highly flammable or explosive atmosphere inside the container. weld or grind used containers unless they have been cleaned thoroughly word dispersal of spilt material and runoff and contact with soil, waterways, sewers.	

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	W N3470	W N3470	₩N3470
14.2 UN proper shipping name	AINT, CORROSIVE, FLAMMABLE	FAINT, CORROSIVE, FLAMMABLE	AINT, CORROSIVE, FLAMMABLE
14.3 Transport hazard class(es)	B (3)	B (3)	8 (3)
14.4 Packing group	I	W	W
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(4-nonylphenol, branched)	Not applicable.

Additional information

ADR/RID

: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Tunnel code : (D/E)

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878				
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SECTIO	N 14: Transpo	ort information		
IMDG IATA		e pollutant mark is not required when transported in sizes of ≤5 L nmentally hazardous substance mark may appear if required by c	-	
14.6 Specia user	al precautions for	: Transport within user's premises: always transport in closed upright and secure. Ensure that persons transporting the producevent of an accident or spillage.		
14.7 Transp according instrument	to IMO	: Not applicable.		

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
Indocrine disrupting properties 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	12/19/2012

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Other national and international regulations.

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

Not listed.

: No Chemical Safety Assessment has been carried out.

assessment

15.2 Chemical safety

SECTION 16: Other information

Indicates information t	hat has changed from previously issued version.
Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

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SECTION 16: Other i			
		liquid and vanour	
Full text of abbreviated H statements	H226Flammable liquidH302Harmful if swallowH304May be fatal if swallowH304May be fatal if swallowH312Harmful in contactH314Causes severe skH315Causes skin irritatH317May cause an alleH318Causes serious etH319Causes serious etH332Harmful if inhaledH335May cause drowsH361fdSuspected of damH373May cause damagH400Very toxic to aquatH410Very toxic to aquatic lit	wed. allowed and enters airways. twith skin. kin burns and eye damage. tion. ergic skin reaction. eye damage. eye irritation. d. atory irritation. f. atory irritation. siness or dizziness. naging fertility. Suspected of damaging ge to organs through prolonged or re atic life. atic life with long lasting effects. ife with long lasting effects. c life with long lasting effects.	
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 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 Skin Sens. 1B STOT RE 2	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC LONG-TERM (CHRONIC) AQUATI LONG-TERM (CHRONIC) AQUATI LONG-TERM (CHRONIC) AQUATI ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRRI SERIOUS EYE DAMAGE/EYE IRRI SERIOUS EYE DAMAGE/EYE IRRI FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 2 REPRODUCTIVE TOXICITY - Cate SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXIC EXPOSURE - Category 2	C HAZARD - Category 2 C HAZARD - Category 2 C HAZARD - Category 2 ITATION - Category 1 ITATION - Category 2 2 3 egory 2 Category 1B Category 2 I B CITY - REPEATED
<u>History</u>			
Date of issue/ Date of revision	: 21 May 2024		
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Prepared by	: EHS		
Version	: 18		
Disclaimer			

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