SAFETY DATA SHEET

Date of issue/Date of revision

: 9 October 2024

Version

: 3





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

U	
1.1 Product identifier	
Product name	: SIGMAPRIME 700 HARDENER
Product code	: 000001074765
Other means of identification	tion
00317124; 00471886	
1.2 Relevant identified use	s of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: ⊮ardener.; 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 L PO Box 7509, Dammam 31 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	

e-mail address of person : PS.ACEMEA@ppg.com responsible for this SDS

1.4 Emergency telephone number

: 00966 138473100 extn 1001

number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

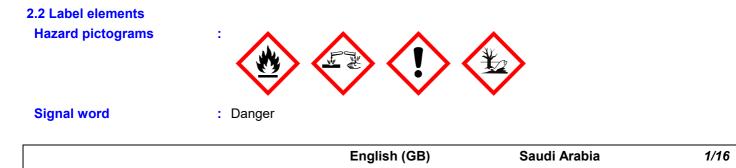
Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

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.



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

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SECTION 2: Hazards identification

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Hazard statements	 Flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. 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	: Collect spillage.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P391, P403 + P233, P501
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>ients</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 contains substances that are assessed to be a PBT or a vPvB, refer to Section 3.2.
Other hazards which do not result in classification	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	REACH #: 01-2119972320-44 EC: 500-191-5 CAS: 68082-29-1	≥25 - ≤50	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[1]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
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SECTIO	N 3: Composition/infor	mation on ingredients	
		Eye Irrit. 2, H319	
		STOT SE 3, H335	
		Asp. Tox. 1, H304	

			Asp. Tox. 1, H304 Aquatic Chronic 3, H412		
Phenol, methylstyrenated	REACH #: 01-2119555274-38 EC: 270-966-8 CAS: 68512-30-1	≥10 - ≤25	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412	-	[1] [3]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥5.0 - ≤10	Flam. Liq. 3, H226 STOT SE 3, H336	-	[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 - ≤9.4	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2	≥1.0 - ≤5.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318	ATE [Oral] = 1200 mg/ kg ATE [Dermal] = 1280 mg/kg	[1]
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	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
3,6-diazaoctanethylenediamin	EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5	≥1.0 - <5.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg	[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.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

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

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SECTION 4: First aid measures

4.1 Description of first aid n	neasures
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

Potential acute health effects Eye contact : Causes serious eye damage. Inhalation : May cause respiratory irritation. Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Ingestion : Corrosive to the digestive tract. Causes burns. Over-exposure signs/symptoms Eye contact inhalation : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: respiratory tract irritation redness dryness cracking blistering may occur Ingestion : Adverse symptoms may include the following: stomach pains 4.3 Indication of any immediate 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.	4.2 wost important symp	toms and enects, both acute and delayed
Inhalation : May cause respiratory irritation. Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Ingestion : Corrosive to the digestive tract. Causes burns. Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: respiratory tract irritation coughing 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 immediate 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.	Potential acute health e	ffects
Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Ingestion : Corrosive to the digestive tract. Causes burns. Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Ingestion : 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 immediate 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.	Eye contact	: Causes serious eye damage.
Ingestion : Corrosive to the digestive tract. Causes burns. Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Ingestion : 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 immediate 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.	Inhalation	: May cause respiratory irritation.
Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Ingestion : 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 immediate 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.	Skin contact	: Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: respiratory tract irritation coughing 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 immediate 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.	Ingestion	: Corrosive to the digestive tract. Causes burns.
pain watering redness pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing 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 immediate 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.	<u>Over-exposure signs/sy</u>	<u>imptoms</u>
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 immediate 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.	Eye contact	pain watering
pain or irritation redness dryness cracking blistering may occur Ingestion : Adverse symptoms may include the following: stomach pains 4.3 Indication of any immediate 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.	Inhalation	respiratory tract irritation
4.3 Indication of any immediate 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.	Skin contact	pain or irritation redness dryness cracking
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.	Ingestion	
The exposed person may need to be kept under medical surveillance for 48 hours.	4.3 Indication of any imm	nediate medical attention and special treatment needed
Specific treatments : No specific treatment.	Notes to physician	
	Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

	5	5
5.1 Extinguishing media		
Suitable extinguishing media	:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishir media	ng :	Do not use water jet.

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SECTION 5: Firefighting measures

5.2 Special hazards arising f	n the substance or mixture	
Hazards from the substance or mixture	Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard a fire or if heated, a pressure increase will occur and the container may burst, with risk of a subsequent explosion. This material is toxic to aquatic life with long lastir effects. Fire water contaminated with this material must be contained and prevent from being discharged to any waterway, sewer or drain.	the ig
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 there is a fire. No action shall be taken involving any personal risk or without suita training. Move containers from fire area if this can be done without risk. Use wate spray to keep fire-exposed containers cool.	ble
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained brea apparatus (SCBA) with a full face-piece operated in positive pressure mode. Cloth for fire-fighters (including helmets, protective boots and gloves) conforming to Euro standard EN 469 will provide a basic level of protection for chemical incidents.	ning

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective 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
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.

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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. 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.

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	e Exposure limit values				
x ylene	EU OEL (Europe, 1/20	22) [xylene, mixed isomers] Ab	sorbed		
	through skin.				
	TWA 8 hours: 50 ppm				
	TWA 8 hours: 221 mg	/m³.			
	STEL 15 minutes: 100	ppm.			
	STEL 15 minutes: 442	2 mg/m^3 .			
1-methoxy-2-propanol	EU OEL (Europe, 1/2022) Absorbed through skin.				
	TWA 8 hours: 100 ppm.				
	TWA 8 hours: 375 mg/m ³ .				
	STEL 15 minutes: 150 ppm.				
	STEL 15 minutes: 568 mg/m ³ .				
2-methylpropan-1-ol	ACGIH TLV (United St	ates, 7/2023)			
<u></u>	English (GB)	Saudi Arabia	6/16		

2020/878 Code : 000001074765 Date of issue/Date of revision : 9 October 2024 SIGMAPRIME 700 HARDENER TWA 8 hours: 50 ppm. TWA 8 hours: 152 mg/m³. EU OEL (Europe, 1/2022) Absorbed through skin. ethylbenzene TWA 8 hours: 100 ppm. TWA 8 hours: 442 mg/m³. STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m³. 3,6-diazaoctanethylenediamin IPEL (-) Absorbed through skin. TWA: 1 ppm. **x**ylene DOL BEI (South Africa, 3/2021) [xylenes] BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time: end of shift. DOL BEI (South Africa, 3/2021) ethylbenzene BEI: 0.15 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift. **Recommended monitoring** : Reference should be made to monitoring standards, such as the following: European procedures 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 : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or Appropriate engineering controls 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 measures **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 evewash stations and safety showers are close to the workstation location. **Eye/face protection** Chemical splash goggles and face shield. **Skin protection** 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** nitrile neoprene 5

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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.

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

Ingredient namemm HgkPaMethodmm HgkPaMeth2*methylpropan-1-ol<12.00102<1.6DIN EN 13016-2 </th <th>Appearance</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Appearance								
Odour : Aromatic. Odour threshold : Not available. Melting point/freezing point : Not determined. Initial boiling point and : >37.78°C boiling range : Not determined. There are no data available on the mixture itself. Upper/lower flammability or explosive limits : Not available. Flash point : Closed cup: 30°C Auto-ignition temperature : Ingredient name °C °F Method 1-methoxy-2-propanol 270 518	Physical state	:	Liquid.	_iquid.					
Odour threshold : Not available. Melting point/freezing point : Not determined. Initial boiling point and boiling range : >37.78°C Flammability : Not determined. There are no data available on the mixture itself. Upper/lower flammability or explosive limits : Not available. Flash point : Closed cup: 30°C Auto-ignition temperature : Ingredient name °C °F 1-methoxy-2-propanol 270 518	Colour	1	Colourless.						
Melting point/freezing point : Not determined. Initial boiling point and : >37.78°C boiling range : Not determined. There are no data available on the mixture itself. Planmability : Not determined. There are no data available on the mixture itself. Upper/lower flammability or explosive limits : Not available. Flash point : Closed cup: 30°C Auto-ignition temperature : Ingredient name °C °F Method 1-methoxy-2-propanol 270 518 Decomposition temperature : Stable under recommended storage and handling conditions (see Section 7). pH pH : Not applicable. insoluble in water. Viscosity : Øynamic (room temperature): Not available. Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity : 60 - 100 s (ISO 6mm) Solubility(ies) :	Odour	1	Aromatic.	Aromatic.					
Initial boiling point and : >37.78°C boiling range Flammability : Not determined. There are no data available on the mixture itself. Upper/Iower flammability or explosive limits Flash point : Closed cup: 30°C Auto-ignition temperature : Closed cup: 30°C Decomposition temperature : Stable under recommended storage and handling conditions (see Section 7). pH : Not applicable. insoluble in water. Viscosity : Dynamic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity : 60 - 100 s (ISO 6mm) Solubility(ies) : Media Result cold water Not soluble Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure : Ingredient name Vapour Pressure at 20°C Vapour pressure at Ingredient name Vapour Pressure at 20°C Vapour pressure at Ingredient name C1.0 (12.00102 (1.6 DIN EN 13016-2 U (1.6 DIN EN 13016-2	Odour threshold	1	Not available.						
boiling range Flammability : Not determined. There are no data available on the mixture itself. Upper/lower flammability or explosive limits Flash point : Closed cup: 30°C Auto-ignition temperature : Closed cup: 30°C Decomposition temperature : Stable under recommended storage and handling conditions (see Section 7). Decomposition temperature : Stable under recommended storage and handling conditions (see Section 7). PH : Not applicable. insoluble in water. Viscosity : Øynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity : 60 - 100 s (ISO 6mm) Solubility(ies) : Media Result cold water Not soluble Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure : Not applicable. Water Vapour pressure : $\frac{Vapour Pressure at 20°C}{Vapour pressure at 20°C} Vapour pressure at 100°C (Vapour pressure at 20°C) (Vapour pressure at 20$	Melting point/freezing point	1	Not determined.						
Upper/lower flammability or explosive limits : Not available. Flash point : Closed cup: 30°C Auto-ignition temperature : Ingredient name °C °F Method 1-methoxy-2-propanol 270 518	•	1	>37.78°C						
explosive limits Flash point Flash Flash point Flash F	Flammability	1	Not determined. The	ere are no	data a	vailable on the	mixture i	tself.	
Auto-ignition temperature : Ingredient name °C °F Method 1-methoxy-2-propanol 270 518		1	Not available.						
Instruct Image: Stable in the stability of th	Flash point	:	Closed cup: 30°C						
Decomposition temperature pH : Stable under recommended storage and handling conditions (see Section 7). Viscosity : Mot applicable. insoluble in water. Viscosity : Øynamic (room temperature): Not available. Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity : 60 - 100 s (ISO 6mm) Solubility(ies) : Media Result cold water Not applicable. Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure at 20°C Vapour pressure at 10°C Vapour pressure : Ingredient name Wapour Pressure at 20°C Vapour pressure at 10°C Vapour pressure : : Ingredient name : Ingredient name : Image: Stable to the phylpropan-1-ol : : : : : :	Auto-ignition temperature	1	Ingredient name		°C	°F		Method	
pH : Not applicable. insoluble in water. Viscosity : Dynamic (room temperature): Not available. Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity : 60 - 100 s (ISO 6mm) Solubility(ies) : Media Result cold water Not soluble Partition coefficient: n-octanol/ water : Not applicable. Vapour pressure : Ingredient name Vapour Pressure at 20°C Vapour pressure at Hg ingredient name : ingredient name : : :			1-methoxy-2-propanol		270	518			
Viscosity : Øynamic (room temperature): Not available. Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity : 60 - 100 s (ISO 6mm) Solubility(ies) : Media Result cold water Not soluble Partition coefficient: n-octanol/ water : Vapour pressure : Ingredient name Vapour Pressure at 20°C Vapour pressure at Method imm Hg kPa Method Method Ingredient name : : : Impredient name : : : : : : : : : : : : : : : : :	Decomposition temperature	:	Stable under recomm	mended s	torage	and handling c	onditions	(see Sec	tion 7).
Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity : Solubility(ies) : Media Result cold water Not soluble Partition coefficient: n-octanol/ water : Vapour pressure : Ingredient name Vapour Pressure at 20°C Vapour pressure at 10°C Vapour pressure : Impredient name Method mm Impredient name : : : : : : : : : : : : : : : : : : : : : <td>pH</td> <td>1</td> <td>Not applicable. insol</td> <td>uble in wa</td> <td>iter.</td> <td></td> <td></td> <td></td> <td></td>	pH	1	Not applicable. insol	uble in wa	iter.				
Viscosity : 60 - 100 s (ISO 6mm) Solubility(ies) : Media Result cold water Not soluble Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure Ingredient name Image: Market properties Image: Market properties Vapour pressure at 20°C	Viscosity	:	Kinematic (room temperature): >400 mm²/s						
Solubility(ies) : Media Result cold water Not soluble Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure at 20°C Vapour pressure at 20°C Vapour pressure Ingredient name Vapour Pressure at 20°C Vapour pressure at 20°C Vapour pressure : Imgredient name Imm Hg kPa Method mm Hg kPa Method Immethylpropan-1-ol <12.00102 <1.6 DIN EN 13016-2 Immethylpropanityle Immeth	Viscosity	1							
cold water Not soluble Partition coefficient: n-octanol/ : water Not applicable. Vapour pressure Ingredient name Vapour Pressure at 20°C Vapour pressure at 10°C Ingredient name Vapour Pressure at 20°C Vapour pressure at 10°C Vapour pressure at 10°C Image: Ingredient name Vapour Pressure at 20°C Vapour pressure at 10°C Vapour pressure at 10°C Image: Ingredient name Vapour Pressure at 20°C Vapour pressure at 10°C Vapour pressure at 10°C Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Image: Ingredient name Ima	-	:	Υ.	,					
Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure Vapour Pressure at 20°C Vapour pressure at 20°C Vapour pressure Ingredient name Method mm kPa Method mm Hg Method Image: The state of the sta	Media		Result						
water Vapour pressure Vapour Pressure at 20°C Vapour pressure at 20°C Vapour pressure at 20°C Ingredient name mm Hg kPa Method mm kPa Method Immethylpropan-1-ol <12.00102	cold water		Not soluble						
Ingredient namemm HgkPaMethodmm HgkPaMethodImmethylpropan-1-ol<12.00102		:	Not applicable.						
mm HgkPaMethodmm HgkPaMethImage: Methylpropan-1-ol<12.00102<1.6DIN EN 13016-2	Vapour pressure	:		Vapo	ur Pre	ssure at 20°C	Vap	pour pressure at 50°C	
13016-2			Ingredient name	mm Hg	kPa	Method		kPa	Method
Relative density : 0.96			2-methylpropan-1-ol	<12.00102	<1.6				
	Relative density		0.96					·	

Conforms to Regulation (EC 2020/878	;) No. 1907/2006 (RE	ACH), Annex II, as amended by Commissio	n Regulation (EU)
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SECTION 9: Physica	al and chemica	al properties	
Explosive properties		t itself is not explosive, but the formation of an ust with air is possible.	explosible mixture of
Oxidising properties	: Product doe	es not present an oxidizing hazard.	

Particle characteristics Median particle size

: Not applicable.

9.2 Other information

No additional information.

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	: 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.
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
F atty acids, C18-unsatd., dimers,	LD50 Dermal	Rat	>2000 mg/kg	-
oligomeric reaction products with tall-oil				
fatty acids and triethylenetetramine				
	LD50 Oral	Rat	>2000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
Phenol, methylstyrenated	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
1-methoxy-2-propanol	LC50 Inhalation Vapour	Rat	>7000 ppm	6 hours
	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	5.2 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	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 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	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
-	LD50 Oral	Rat	1716 mg/kg	-

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SECTION 11: Toxicological information

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	Eyes - Severe irritant	Rabbit	-	-	-
xylene	Skin - Irritant Skin - Moderate irritant	Human Rabbit	-	- 24 hours 500 mg	-

Conclusion/Summary

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

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

: There are no data available on the mixture itself.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	skin	Mouse	Sensitising
3,6-diazaoctanethylenediamin	skin	Guinea pig	Sensitising

Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Specific target organ toxi	city (single exposure)

<u>Specific target organ toxicity (single exposure)</u>

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

Information on likely routes of exposure

: Not available.

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SECTION 11: Toxicological information

Potential acute health effect		
Inhalation	May cause respiratory irritation.	
Ingestion	Corrosive to the digestive tract. Causes burns.	
Skin contact	Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.	
Eye contact	Causes serious eye damage.	
Symptoms related to the ph	cal, chemical and toxicological characteristics	
Inhalation	Adverse symptoms may include the following: respiratory tract irritation coughing	
Ingestion	Adverse symptoms may include the following: stomach pains	
Skin contact	Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur	
Eye contact	Adverse symptoms may include the following: pain watering redness	
Delayed and immediate effe	as well as chronic effects from short and long-term exposure	
<u>Short term exposure</u>		
Potential immediate effects	Not available.	
Potential delayed effects	Not available.	
<u>Long term exposure</u>		
Potential immediate effects	Not available.	
Potential delayed effects	Not available.	
Potential chronic health effe		
Not available.		
Conclusion/Summary	Not available.	
General	Prolonged 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.	
Causes digestive tract burns.	longed or repeated contact may dry skin and cause irritation. Repeated exposure to hig	зh

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.

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SECTION 11: Toxicological information

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	EC10 1.78 mg/l	Algae	72 hours
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l Fresh water	Fish	96 hours
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 >100 mg/l Acute LC50 >100 mg/l	Daphnia Fish	48 hours 96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - 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
2 ,4,6-tris	OECD 301D	4 % - Not readily - 28 days	-	-
(dimethylaminomethyl)phenol	Ready			
	Biodegradability -			
	Closed Bottle			
	Test			
ethylbenzene	-	79 % - Readily - 10 days	-	-

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	-	-	Not readily
xylene	-	-	Readily
2,4,6-tris(dimethylaminomethyl)phenol ethylbenzene	-	-	Not readily Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
X lene	3.12	7.4 to 18.5	Low
Phenol, methylstyrenated	3.627	-	Low
1-methoxy-2-propanol	<1	-	Low
2-methylpropan-1-ol	1	-	Low
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low
ethylbenzene	3.6	79.43	Low
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	Low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

English (GB)

Saudi Arabia

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SECTION 12: Ecological information

Mobility

: Not available.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	No	N/A	N/A	No	N/A	N/A	N/A
xylene	No	N/A	No	No	No	N/A	No
Phenol, methylstyrenated	No	N/A	N/A	No	SVHC (Candidate)	Specified	Specified
1-methoxy-2-propanol	No	N/A	N/A	No	N/A	N/A	N/A
2-methylpropan-1-ol	No	N/A	N/A	No	N/A	N/A	N/A
2,4,6-tris (dimethylaminomethyl)phenol	No	N/A	N/A	No	N/A	N/A	N/A
ethylbenzene	No	N/A	No	Yes	No	N/A	No
3,6-diazaoctanethylenediamin	No	N/A	N/A	No	N/A	N/A	N/A

12.6 Endocrine disrupting properties

Not available.

12.7 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. : Yes.

Hazardous waste

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	15 01 06	mixed packaging

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SECTION 13: Disposal considerations

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

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN3469	UN3469	UN3469
14.2 UN proper shipping name	PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE	PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE	PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE
14.3 Transport hazard class(es)	3 (8)	3 (8)	3 (8)
14.4 Packing group	Ш	Ш	Ш
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Polyamide)	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)
IMDG	: The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

14.6 Special precautions 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 in bulk	: Not applicable.
according to IMO	
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

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SECTION 15: Regulatory information

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
₩₽vB	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	Candidate	D(2023) 8585-DC	1/23/2024

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.

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Explosive precursors
                           : Not applicable.
Ozone depleting substances (1005/2009/EU)
Not listed.
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- **15.2 Chemical safety**
- : No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Indicator information (that has abanged from r	previously issued version.
indicates information	lnal nas changed from p	previously issued version.

Indicates information that has	• • •			
Abbreviations and acronyms	: ATE = Acute Toxicity Es CLP = Classification, La 1272/2008] DNEL = Derived No Effe EUH statement = CLP-s PNEC = Predicted No E RRN = REACH Registra	belling and Packaging ect Level pecific Hazard statem ffect Concentration	Regulation [Regulation (E0	C) No.
Full text of abbreviated H statements	H226Flammable liqH302Harmful if swaH304May be fatal ifH312Harmful in corH314Causes severH315Causes severH317May cause anH318Causes seriouH319Causes seriouH332Harmful if inhaH335May cause resH336May cause daH373May cause daH411Toxic to aquat	swallowed and enters ntact with skin. e skin burns and eye of ritation. allergic skin reaction. is eye damage. is eye irritation. aled. spiratory irritation. owsiness or dizziness.	damage. gh prolonged or repeated ex effects.	xposure.
Full text of classifications [CLP/GHS]	Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1	ACUTE TOXICITY LONG-TERM (CH LONG-TERM (CH ASPIRATION HAZ SERIOUS EYE DA SERIOUS EYE DA FLAMMABLE LIQ FLAMMABLE LIQ SKIN CORROSIO SKIN CORROSIO	Category 4 RONIC) AQUATIC HAZARI RONIC) AQUATIC HAZARI XARD - Category 1 AMAGE/EYE IRRITATION - JIDS - Category 2 JIDS - Category 3 N/IRRITATION - Category 7 N/IRRITATION - Category 7	D - Category 3 · Category 1 · Category 2 1B 1C
	Enç	lish (GB)	Saudi Arabia	15/16

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CECTION 4C: Other information		

SECTION 16: Other information

	Skin Sens. 1A	SKIN SENSITISATION - Category 1A
	STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
	STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
<u>History</u>		
Date of issue/ Date of revision	: 9 October 2024	
Date of previous issue	: 17 April 2024	
Prepared by	: EHS	
Version	: 3	
<u>Disclaimer</u>		

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