SAFETY DATA SHEET

United Arab Emirates

: 2.05

Date of issue/Date of revision

: 3 September 2024 Version

SECTION 1: Identific undertaking	ation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: SIGMASHIELD 1200 HARDENER YELLOW
Product code	: 000001098951
Other means of identificati 00195842	n
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	: Hardener.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	he safety data sheet
Sigma Paint Saudi Arabia Lto PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	
e-mail address of person 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]

Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 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.

2.2 Label elements

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SECTION 2: Hazards	identification		
Hazard pictograms		Z L	
Signal word	: Danger		
Hazard statements	May cause an allerg	h skin or if inhaled. ı burns and eye damage.	
Precautionary statements			
Prevention	: Wear protective glo the environment.	ves, protective clothing and eye or face pro	otection. Avoid release to
Response		INHALED: Immediately call a POISON CE nediately call a POISON CENTER or docto	
Storage	: Not applicable.		
Disposal	international regulat	and container in accordance with all local tions. P304 + P310, P301 + P310, P501	, regional, national and
Hazardous ingredients		ethylenebis(cyclohexylamine) I)propyl)ethylenediamine	
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 does n	not contain any substances that are assess	ed to be a PBT or a vPvB
Other hazards which do not result in classification	: None known.		

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

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SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)	REACH #: 01-2119497829-12 EC: 229-962-1 CAS: 6864-37-5 Index: 612-110-00-1	≥75 - ≤90	Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Chronic 2, H411	ATE [Oral] = 500 mg/ kg ATE [Dermal] = 300 mg/kg ATE [Inhalation (dusts and mists)] = 0.5 mg/l	[1]
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥10 - ≤15	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319	ATE [Oral] = 1230 mg/ kg ATE [Inhalation (dusts and mists)] = 1.5 mg/l	[1] [2]
N-(3-(trimethoxysilyl)propyl) ethylenediamine	EC: 217-164-6 CAS: 1760-24-3	≥1.0 - ≤5.0	Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335	-	[1]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2	≥1.0 - ≤3.4	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 1200 mg/ kg ATE [Dermal] = 1280 mg/kg	[1]

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. <u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

the booon phone of mot and h	
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

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SECTION 4: First	aid measures		
Potential acute health e	ffects		
Eye contact	: Causes serious eye	damage.	
Inhalation	: Toxic if inhaled.		
Skin contact	: Causes severe burns	s. Toxic in contact with skin. May cause a	an allergic skin reaction.
Ingestion	: Harmful if swallowed		
Over-exposure signs/sy	<u>mptoms</u>		
Eye contact	: Adverse symptoms i pain watering redness	may include the following:	
Inhalation	: No specific data.		
Skin contact	: Adverse symptoms i pain or irritation redness blistering may occur	may include the following:	
Ingestion	: Adverse symptoms r stomach pains	may include the following:	
4.3 Indication of any imm	ediate medical attention ar	nd special treatment needed	
Notes to physician		of decomposition products in a fire, sympl may need to be kept under medical surve	
Specific treatments	: No specific treatmen	t.	

5.1 Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
5.2 Special hazards arising fi	om the substance or mixture
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides Formaldehyde.
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.
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.

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SECTION 6: Accidental release measures

6.1 Personal precautions, pro	ote	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. 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	со	ntainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. 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. 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 spill 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. 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. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878				
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SECTION 7: Handli	ng and storage			
7.2 Conditions for safe storage, including any incompatibilities	with local regulation cool and well-ventila food and drink. Sto for use. Containers to prevent leakage.	ollowing temperatures: 0 to 35°C (32 to 95 is. Store in original container protected fro ated area, away from incompatible materia ire locked up. Keep container tightly close that have been opened must be carefully Do not store in unlabelled containers. Us intal contamination. See Section 10 for inc	m direct sunlight in a dry, ils (see Section 10) and d and sealed until ready resealed and kept upright e appropriate containment	

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

No exposure limit value known.

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.	
Individual protection measu	res		
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 Skin protection	:	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.	
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		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
Body protectio	n :	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.
Other skin prof	tection	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 prof	tection :	
Environmental e controls	exposure :	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

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<u>Appearance</u>						
Physical state	1	Liquid.				
Colour	:	Off-white.				
Odour	:	Aromatic. [Slight]				
Odour threshold	:	Not available.				
Melting point/freezing point	:		May start to solidify at the following temperature: -7.1°C (19.2°F) This is based on data for the following ingredient: 2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine). Weighted average: -8.53°C (16.6°F)			
Initial boiling point and boiling range	:	>37.78°C				
Flammability	:	Not available.				
Upper/lower flammability or explosive limits	:	Greatest known range: Lower: 1.3% Upper: 13% (benzyl alcohol)				
Flash point	:	Closed cup: 106°C				
Auto-ignition temperature	:	Ingredient name	°C	°F	Method	
		2,2'-dimethyl-4,4'-methylenebis (cyclohexylamine)	275	527		
Decomposition temperature	:	Stable under recommended sto	rage and har	ndling conditio	ons (see Section 7).	
pH	1	Not applicable. insoluble in wate	er.	-	· ·	
Viscosity	1	Kinematic (40°C): >21 mm²/s				
Viscosity	1	> 100 s (ISO 6mm)				
Solubility(ies)	:					
Media		Result				
cold water		Not soluble				
Partition coefficient: n-octano water	I/ :	Not applicable.				
Vapour pressure	:					

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SECTION 9: Physical and chemical properties

		Ingredient name			ur Press	r Pressure at 20°C		Vapour pressure at 50	
			mm Hg	kPa	Method	mm Hg	kPa	Method	
		2,4,6-tris (dimethylaminomethyl) phenol	0.056	0.0075	EU A.4				
Evaporation rate	:	0.007 (benzyl alcoho	l) compar	ed with I	butyl acetate		•		
Relative density	:	0.97							
Vapour density	:	Highest known value	: 3.7 (Air	= 1) (be	enzyl alcohol).				
Explosive properties	:	The product itself is a vapour or dust with a			the formation	of an exp	olosible m	nixture of	
Oxidising properties	:	Product does not pre	sent an o	xidizing	hazard.				
Particle characteristics									
		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 Formaldehyde. metal oxide/oxides			

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2,2'-dimethyl-4,4'-methylenebis	LC50 Inhalation Dusts and	Rat	420 mg/m ³	4 hours
(cyclohexylamine)	mists		-	
	LD50 Dermal	Rabbit	>0.2 g/kg	-
	LD50 Oral	Rat	>0.32 g/kg	-
benzyl alcohol	LC50 Inhalation Dusts and	Rat	>4178 mg/m ³	4 hours
	mists			
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1.23 g/kg	-
N-(3-(trimethoxysilyl)propyl)	LD50 Dermal	Rabbit	>2000 mg/kg	-
ethylenediamine				
	LD50 Oral	Rat	2413 mg/kg	-
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SECTION 11: Toxico	ological	information			
2,4,6-tris(dimethylaminome	ethyl)phenol	LD50 Dermal LD50 Oral			280 mg/kg - 200 mg/kg -
Conclusion/Summary	: There	are no data available	on the mixtur	e itself.	
Irritation/Corrosion					
Conclusion/Summary					
Skin	: There	are no data available	on the mixture	e itself.	
Eyes	: There	are no data available	on the mixture	e itself.	
Respiratory	: There	are no data available	on the mixture	e itself.	
Sensitisation					
Conclusion/Summary					
Skin	: There	are no data available	on the mixtur	e itself.	
Respiratory	: There	are no data available	on the mixtur	e itself.	
Mutagenicity					
Conclusion/Summary	: There	are no data available	on the mixtur	e itself.	
Carcinogenicity					
Conclusion/Summary	: There	are no data available	on the mixtur	e itself.	
Reproductive toxicity					
Conclusion/Summary	: There	are no data available	on the mixtur	e itself.	
Teratogenicity					
Conclusion/Summary	: There	are no data available	on the mixtur	e itself.	
Specific target organ toxic					
Product/in	gredient na	ime	Category	Route of	Target organs
N-(3-(trimethoxysilyl)propyl)ethvlenedia	mine	Category 3	exposure -	Respiratory tract irritation
Specific target organ toxic	, ,		3,7		
Not available.					
Assistion borord					
Aspiration hazard					
Not available.					
Information on likely routes of exposure	: Not a	vailable.			
Potential acute health effe	ects				
Inhalation		if inhaled.			
Ingestion		ul if swallowed.			
Skin contact			c in contact w	ith skin May acu	se an allergic skin reaction.
		es serious eye damag		ILI SKIII. IVIAY CAU	se an anergic skill reaction.
Eye contact				orietice	
Symptoms related to the p			gical charact	EIISUUS	
Inhalation	-	ecific data.	ludo the fellow	vina	
Ingestion		se symptoms may inc ch pains	ciude the tollov	ving:	
Skin contact	pain c redne	se symptoms may inc r irritation ss ing may occur	lude the follov	ving:	
		se symptoms may inc		vina	

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SECTION 11: Toxicological information

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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.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
Not available.	
Conclusion/Summary	: Not available.
General	: 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.

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. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C/140F. 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.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
N-(3-(trimethoxysilyl)propyl)ethylenediamine 2,4,6-tris(dimethylaminomethyl)phenol	EC50 597 mg/l Acute LC50 >100 mg/l Acute LC50 >100 mg/l	Fish Daphnia Fish	96 hours 48 hours 96 hours

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

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
(dimethylaminomethyl)phenol	OECD 301D Ready Biodegradability - Closed Bottle Test	4 % - Not readily - 28 days	-	-

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SECTION 12: Ecological information

Conclusion/Summary : There are no data available on the mixture itself.				
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
benzyl alcohol 2,4,6-tris(dimethylaminomethyl)phenol	-	-	Readily Not readily	

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)	1.8	-	Low
benzyl alcohol	0.87	-	Low
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low

12.4 Mobility in soil

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

12.5 Results of PBT and vPvB assessment

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

12.6 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. Hazardous waste : Yes. European waste catalogue (EWC)

Waste code	Waste designation waste paint and varnish containing organic solvents or other hazardous substances		
08 01 11*			
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)		

Type of packaging		European waste catalogue (EWC)
Container	15 01 06	mixed packaging

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English (GB)	United Arab Emirates

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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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN2922	UN2922	UN2922
14.2 UN proper shipping name	CORROSIVE LIQUID, TOXIC, N.O.S. (2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine), 2,4,6-tris (dimethylaminomethyl)phenol)	CORROSIVE LIQUID, TOXIC, N.O.S.	CORROSIVE LIQUID, TOXIC, N.O.S.
14.3 Transport hazard class(es)	8 (6.1)	8 (6.1)	8 (6.1)
14.4 Packing group	II	11	II
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine))	Not applicable.

Additional information

ADR/RID	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
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 user	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 Transpo according to	

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

None of the components are listed.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878				
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SIGMASHIELD 1200 HARDENER YELLOW				
SECTION 15: Regula	atory information			
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.			
Other national and international	tional regulations.			
Explosive precursors	: Not applicable.			
Ozone depleting substance	<u>es (1005/2009/EU)</u>			
Not listed.				
15.2 Chemical safety assessment	: No Chemical Safety Ass	sessment has been carried out.		
SECTION 16: Other	information			
	has changed from previously			
Abbreviations and acronyms	1272/2008] DNEL = Derived No Eff	abelling and Packaging Regulation [Re fect Level specific Hazard statement Effect Concentration	gulation (EC) No.	
Full text of abbreviated H statements	 H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects. 			
Full text of classifications [CLP/GHS]	: Acute Tox. 3 Acute Tox. 4 Aquatic Chronic 2 Eye Dam. 1 Eye Irrit. 2 Skin Corr. 1A Skin Corr. 1C Skin Sens. 1 Skin Sens. 1B STOT SE 3	ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUAT SERIOUS EYE DAMAGE/EYE IRF SERIOUS EYE DAMAGE/EYE IRF SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category SKIN SENSITISATION - Category SPECIFIC TARGET ORGAN TOX EXPOSURE - Category 3	RITATION - Category 1 RITATION - Category 2 - Category 1A - Category 1C 1 1B	
<u>History</u>				
Date of issue/ Date of revision	: 3 September 2024			
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Prepared by	: EHS			
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: 3 September 2024

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SECTION 16: Other information

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.