SAFETY DATA SHEET

Date of issue/Date of revision

: 22 February 2023 Version



: 1.02

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

1.1 Product identifier	
Product name	: SIGMALINE 2000 HARDENER
Product code	: 00445017
Product type	: Liquid.
Other means of identification	n
Not available.	
1.2 Relevant identified uses of	of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	the safety data sheet
Sigma Paint Saudi Arabia Ltd. PO Box 7509	
Dammam 31472 Saudi Arabia	
Tel: 00966 138 47 31 00	
Fax: 00966 138 47 17 34	
e-mail address of person	: ndpic@sfda.gov.sa
responsible for this SDS	· http://wordd.gov.od

1.4 Emergency telephone : 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]

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

Code : 00445017	No. 1907/2006 (REACH), Annex II Date of issue/Date of revision : 22 February 2023
SIGMALINE 2000 HARDENER	
SECTION 2: Hazards	dentification
Hazard pictograms	
Signal word	: Danger
Hazard statements	 Harmful if swallowed. Toxic in contact with skin or if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment.
Response	: Collect spillage. IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: 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.
Hazardous ingredients	: 2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine) N-(3-(trimethoxysilyl)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	nents
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 vPvE
Other hazards which do	: None known.

not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
		Englis	l sh (GB) United Ai	rab Emirates	2/13

Conforms to Regulation (EC	;) No. 1907/2006 (RE	ACH), Annez	x II		
Code : 00445017		Da	ate of issue/Date of revisi	on : 22 Februar	y 2023
SIGMALINE 2000 HARDENE	R				
SECTION 3: Compo	sition/informat	ion on ii	ngredients		
2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)	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 - ≤16	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	Acute Tox. 4, H332 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 [Inhalation (vapours)] = 11 mg/l	[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>

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 a fifther for the

. ..

4.1 Description of first aid m	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 syn	nptoms and effects, both acute and delayed
Potential acute health	effects
Eye contact	: Causes serious eye damage.
Inhalation	: Toxic if inhaled.
Skin contact	: Causes severe burns. Toxic in contact with skin. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.
Over-exposure signs/	symptoms

English (GB) **United Arab Emirates**

Code : 00445	017	Date of issue/Date of revision	: 22 February 2023
SIGMALINE 2000 HA	RDENER		
SECTION 4: Fin	rst aid measures		
Eye contact	: Adverse sympto pain watering redness	oms may include the following:	
Inhalation	: No specific data	a.	
Skin contact	: Adverse sympto pain or irritation redness blistering may c		
Ingestion	: Adverse sympto stomach pains	oms may include the following:	

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed.
The exposed person may need to be kept under medical surveillance for 48 hours.Specific treatments: No specific treatment.

SECTION 5: Firefighting measures

	_
5.1 Extinguishing media Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
5.2 Special hazards arising fr	rom 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	ective	equipment and emergency	procedures		
For non-emergency personnel	Evac enter Provi	ction shall be taken involving cuate surrounding areas. Kee ring. Do not touch or walk thr ide adequate ventilation. We equate. Put on appropriate pe	o unnecessary ar ough spilt materia ar appropriate res	nd unprotected pers al. Do not breathe spirator when ventil	sonnel from vapour or mist.
For emergency responders	Secti	ecialised clothing is required t ion 8 on suitable and unsuitab rgency personnel".			
		English (GB)	United Ara	b Emirates	4/13

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II				
Code : 00445017 SIGMALINE 2000 HARDEI	NER	Date of issue/Date of revision	: 22 February 2023	
SECTION 6: Accid	enta	l release measures		
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with so sewers. Inform the relevant authorities if the product has caus pollution (sewers, waterways, soil or air). Water polluting mat the environment if released in large quantities. Collect spillag	sed environmental erial. May be harmful to	
6.3 Methods and material	for co	entainment and cleaning up		
Small spill	:	Stop leak if without risk. Move containers from spill area. Dile if water-soluble. Alternatively, or if water-insoluble, absorb wit place in an appropriate waste disposal container. Dispose of disposal contractor.	th an inert dry material and	
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. Wa 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 materia 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 protection See Section 13 for additional waste treatment information.	ive equipment.	

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.
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 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. 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)	

Recommendations

See Section 1.2 for Identified uses.

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

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

Code : 00445017

Date of issue/Date of revision

SIGMALINE 2000 HARDENER

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
benzyl alcohol		IPEL (-). TWA: 5 ppm STEL: 10 ppm
Recommended monitoring procedures	Standard EN 689 by inhalation to c strategy) Europe application and u biological agents requirements for agents) Referen	d be made to monitoring standards, such as the following: European O (Workplace atmospheres - Guidance for the assessment of exposure themical agents for comparison with limit values and measurement ean Standard EN 14042 (Workplace atmospheres - Guide for the use of procedures for the assessment of exposure to chemical and O) European Standard EN 482 (Workplace atmospheres - General the performance of procedures for the measurement of chemical action to procedures for the measurement of chemical the performance of procedures for the measurement of chemical the performance be required.
2 Exposure controls		
Appropriate engineering controls		equate ventilation. Use process enclosures, local exhaust ventilation or g controls to keep worker exposure to airborne contaminants below any r statutory limits.
ndividual protection measu	ires	
Hygiene measures	eating, smoking Appropriate tech Contaminated we contaminated clo	earms and face thoroughly after handling chemical products, before and using the lavatory and at the end of the working period. niques should be used to remove potentially contaminated clothing. ork clothing should not be allowed out of the workplace. Wash othing before reusing. Ensure that eyewash stations and safety se to the workstation location.
Eye/face protection Skin protection	: Chemical splash	goggles and face shield.
Hand protection	worn at all times necessary. Cons during use that th noted that the tin glove manufactu protection time o frequently repeat (breakthrough tir When only brief o (breakthrough tir The user must cl product is the mo	Int, impervious gloves complying with an approved standard should be when handling chemical products if a risk assessment indicates this is sidering the parameters specified by the glove manufacturer, check he gloves are still retaining their protective properties. It should be he to breakthrough for any glove material may be different for different rers. In the case of mixtures, consisting of several substances, the f the gloves cannot be accurately estimated. When prolonged or ted contact may occur, a glove with a protection class of 6 me greater than 480 minutes according to EN 374) is recommended. contact is expected, a glove with a protection class of 2 or higher me greater than 30 minutes according to EN 374) is recommended. heck that the final choice of type of glove selected for handling this post appropriate and takes into account the particular conditions of use, e user's risk assessment.
Gloves	: nitrile neoprene	
Body protection		ive equipment for the body should be selected based on the task being ne risks involved and should be approved by a specialist before duct.
Other skin protection	based on the tas	wear and any additional skin protection measures should be selected k being performed and the risks involved and should be approved by a handling this product.
Respiratory protection	•	

English (GB)

6/13

Conforms to Regulation (EC) No	<mark>). 19</mark>	07/2006 (REACH), A						
Code : 00445017			Date of	issue/D	ate of revision	on	: 22 F	ebruary 2023
SIGMALINE 2000 HARDENER								
SECTION 8: Exposure	CO	ntrols/persona	l prote	ction				
Environmental exposure : controls	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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							
		be necessary to redu					p100000	oquipinoin
SECTION 9: Physical a	Ind	chemical prop	oerties					
The conditions of measurement of	of all	properties are at stan	dard tem	perature	and pressure	unless o	therwise	indicated.
9.1 Information on basic physic	al a	nd chemical propert	ies					
Appearance								
Physical state		Liquid.						
Colour		Not available.						
Odour	1	Characteristic.						
Odour threshold	1	Not available.						
			t the felle	wing top	poroturo. 7	IPC (40.0	°C) Thia	is based on
Melting point/freezing point		May start to solidify a data for the following Weighted average: -	ingredier	nt: 2,2'-di				
Initial boiling point and boiling range	- 1	>37.78°C						
Flammability	1	Not available.						
Upper/lower flammability or explosive limits	:	Greatest known rang	e: Lower:	1.3% U	pper: 13% (b	enzyl alco	ohol)	
Flash point	:	Closed cup: 104°C						
Auto-ignition temperature	:	Ingredient name		°C	°F		Nethod	
		cyclohexylamine)	enebis	275	527			
Decomposition temperature		Stable under recomn	nended s	orade ar	nd handling co	onditions	(see Sec	tion 7).
pH	:	Not applicable. insolu		-			,	,
, Viscosity	:	Kinematic (40°C): >2						
Solubility(ies)								
Media		Result						
old water		Not soluble						
Partition coefficient: n-octano water	I/ :	Not applicable.						
Vapour pressure	:		Vapo	ur Press	ure at 20°C	Vapo	our pres	sure at 50°C
		Ingredient name	mm Hg	i	Method	mm Hg	kPa	Method
		✓(3-(trimethoxysilyl) propyl)ethylenediamine	0.3000246	0.04				
Evaporation rate	:		l) compar	ed with t	utyl acetate		-+	I
Relative density	:	 0.007 (benzyl alcohol) compared with butyl acetate 0.97 						
Vapour density		: Highest known value: 3.7 (Air = 1) (benzyl alcohol).						
Explosive properties	:	The product itself is r vapour or dust with a	not explos	sive, but	•	of an exp	olosible n	nixture of
Oxidising properties		Product does not present an oxidizing hazard.						

English (GB) United Arab Emirates

7/13

Conforms to Regulation (EC)	No. 1907/2006 (REACH), Annex II
Code : 00445017	Date of issue/Date of revision: 22 February 2023
SIGMALINE 2000 HARDENEF	R
SECTION 9: Physica	I and chemical properties
Particle characteristics	
Median particle size	: Not applicable.
9.2 Other information	
No additional information.	
SECTION 10: Stabilit	y and reactivity
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
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 Oral	Rat	2413 mg/kg	-
ethylenediamine				

	English (GB) United Arab	En
Carcinogenicity		
Conclusion/Summary	: There are no data available on the mixture itself.	
Mutagenicity		
Respiratory	: There are no data available on the mixture itself.	
Skin	: There are no data available on the mixture itself.	
Conclusion/Summary		
Sensitisation		
Respiratory	: There are no data available on the mixture itself.	
Eyes	: There are no data available on the mixture itself.	
Skin	: There are no data available on the mixture itself.	
Conclusion/Summary		
Irritation/Corrosion		
Conclusion/Summary	: There are no data available on the mixture itself.	

Conforms to Regulation (EC)	No. 1907/2006 (REACH), Annex II
Code : 00445017	Date of issue/Date of revision : 22 February 2023
SIGMALINE 2000 HARDENER	
SECTION 11: Toxicol	ogical information
Conclusion/Summary <u>Reproductive toxicity</u>	: There are no data available on the mixture itself.
Conclusion/Summary <u>Teratogenicity</u>	: There are no data available on the mixture itself.
Conclusion/Summary Specific target organ toxicity Not available.	: There are no data available on the mixture itself. <u>y (single exposure)</u>
Specific target organ toxicit Not available.	<u>/ (repeated exposure)</u>
Aspiration hazard Not available.	
Information on likely routes of exposure	: Not available.
Potential acute health effect	<u>S</u>
Inhalation	: Toxic if inhaled.
Ingestion	: Harmful if swallowed.
Skin contact	: Causes severe burns. Toxic in contact with skin. May cause an allergic skin reaction.
Eye contact	: Causes serious eye damage.
Symptoms related to the phy	vsical, chemical and toxicological characteristics
Inhalation	: No specific data.
Ingestion	: Adverse symptoms may include the following: stomach pains
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
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 Long term exposure	: Not available.
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>cts</u>
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.
	English (GB) United Arab Emirates 9/13

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

Code : 00445017

SIGMALINE 2000 HARDENER

SECTION 11: Toxicological information

Other information

: Not available.

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

Date of issue/Date of revision

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

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
benzyl alcohol	-	-	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

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

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SIGMALINE 2000 HARDENER

: 00445017

Code

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		
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances		
ackaging			
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 where recycling is not feasible.		
Type of packaging	European waste catalogue (EWC)		
Container	15 01 06 mixed packaging		
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of sp material and runoff and contact with soil, waterways, drains and sewers.	lt	

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))	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.

: The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg.

English (GB)	United Arab Emirates

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II					
Code : 00	0445017	Date of issue/Date of revision : 22 February 2023			
SIGMALINE 2000 HARDENER					
SECTION 14: Transport information					
IATA : The environmentally hazardous substance mark may appear if required by other transportation regulations.					
14.6 Special precuser	cautions for :	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.			
14.7 Transport in according to IMC instruments		: 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

None of the components are listed.

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

Other national and international regulations.

Ozone depleting substances (1005/2009/EU)

Not listed.

- 15.2 Chemical safety
- : No Chemical Safety Assessment has been carried out.
- assessment

SECTION 16: Other information

Indicates information that 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 		
Full text of abbreviated H statements	 ▶302 Harmful if swallowed. ▶311 Toxic in contact with skin. H314 Causes severe skin burns an H317 May cause an allergic skin re H318 Causes serious eye damage H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H411 Toxic to aquatic life with long H412 Harmful to aquatic life with long 	lasting effects.	
Full text of classifications [CLP/GHS]			

Date of issue/Date of revision

SECTION 16: Other information

	: Acute Tox. 3	ACUTE TOXICITY - Category 3
	Acute Tox. 4	ACUTE TOXICITY - Category 4
	Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
	Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
	Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
	Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
	Skin Corr. 1A	SKIN CORROSION/IRRITATION - Category 1A
	Skin Sens. 1	SKIN SENSITISATION - Category 1
<u>History</u>		
Date of issue/ Date of revision	: 22 February 2023	
Date of previous issue	: 19 July 2021	
Prepared by	: EHS	
Version	: 1.02	
<u>Disclaimer</u>		

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.