SAFETY DATA SHEET

United Arab Emirates

Date of issue/Date of revision

: 17 April 2024

Version

: 1.01

SECTION 1: Identific undertaking	cation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: NOVAGUARD 890 CONDUCTIVE HARDENER BLACK
Product code	: 000001099942
Other means of identificati	ion
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	f the safety data sheet
Sigma Paint Saudi Arabia Lto PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	d.
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. 4, H332 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	
Signal word	: Danger
Hazard statements	 Harmful if swallowed or if inhaled. Toxic in contact with skin. 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. \$\not\$280, P273, P391, P304 + P310, P301 + P310, P501
Hazardous ingredients	 2'-dimethyl-4,4'-methylenebis(cyclohexylamine) N-(3-(trimethoxysilyl)propyl)ethylenediamine Octadecanoic acid, 12-hydroxy-, reaction products with 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 requiren	<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 not contain any substances that are assessed to be a PBT or a vPvI
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'-dimethyl-4,4'- methylenebis (cyclohexylamine)	EC: 229-962-1 CAS: 6864-37-5 Index: 612-110-00-1	≥25 - ≤41	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 - ≤24	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]
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	REACH #: 01-2119979085-27 EC: 309-629-8 CAS: 100545-48-0	<1.0	Skin Sens. 1B, H317 Aquatic Chronic 3, H412	-	[1]
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

[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.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	 If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed Potential acute health effects Eye contact : Causes serious eye damage.

Gauses senous eye damage.

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SECTION 4: First	aid measures			
Inhalation	: Harmful 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/sy	<u>ymptoms</u>			
Eye contact	: Adverse symptoms may include the following: pain watering redness			
Inhalation	: No specific data.			
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur			
Ingestion	: Adverse symptoms may include the following: stomach pains			
4.3 Indication of any imm	nediate medical attention and special treatment needed			
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. 			

Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

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

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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.	following temperatures: 0 to 35°C (32 to 95 ns. Store in original container protected fro ated area, away from incompatible materia ore locked up. Keep container tightly closed is that have been opened must be carefully Do not store in unlabelled containers. Us ntal contamination. See Section 10 for inco	m direct sunlight in a dry, Is (see Section 10) and d and sealed until ready resealed and kept upright e appropriate containmen

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	t name		Exposure limit values			
Matural graphite		 Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [graphite (all forms except graphite fibers)] TWA: 2 mg/m³ 8 hours. Form: measured as respirable fraction of the aerosol Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 2 mg/m³ 8 hours. ACGIH TLV (United States, 1/2023). Notes: Respirable fraction; see Appendix C, paragraph C. TWA: 2 mg/m³ 8 hours. Form: Respirable fraction 				
Recommended monitoring procedures	Standard EN 689 by inhalation to c strategy) Europe application and u biological agents requirements for agents) Referen	 Workplace atmospherical agents for content Standard EN 1404 The performance of proceeding at the performance of perfo	ng standards, such as the following: E heres - Guidance for the assessment of mparison with limit values and measure (Workplace atmospheres - Guide for he assessment of exposure to chemica EN 482 (Workplace atmospheres - Ge rocedures for the measurement of cher be documents for methods for the deter equired.	f exposure ement r the al and eneral mical		
3.2 Exposure controls						
Appropriate engineering controls		, controls to keep wor	e process enclosures, local exhaust ve ker exposure to airborne contaminants			
Individual protection measure	<u>es</u>					
Hygiene measures	eating, smoking Appropriate tech Contaminated w contaminated clo	and using the lavatory niques should be used ork clothing should no	ughly after handling chemical products, and at the end of the working period. d to remove potentially contaminated cl t be allowed out of the workplace. Was Ensure that eyewash stations and safe potation.	lothing. sh		
Eye/face protection <u>Skin protection</u>	: Chemical splash	goggles and face shi	eld.			
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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	1	nitrile neoprene
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.
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

<u>Appearance</u>						
Physical state	: Liquid.					
Colour	: Black.					
Odour	: Amine-like.					
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: -10.2°C (13.6°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: 100°C					
Auto-ignition temperature	: Ingredient name °C °F Method					
	2.2'-dimethyl-4,4'-methylenebis (cyclohexylamine)275527					
Decomposition temperature pH Viscosity Solubility(ies)	 Stable under recommended storage and handling conditions (see Section 7). Not applicable. insoluble in water. Kinematic (40°C): >21 mm²/s 					

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ECTION 9: Physica	l and	chemical pro	perties					
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octa water	nol/ :	Not applicable.						
Vapour pressure	:	: Ingredient name	Vapour Pressure at 20°C		Vapour pressure at 50°C			
			mm Hg	kPa	Method	mm Hg	kPa	Method
		penzyl alcohol	0.05	0.0067				
Evaporation rate	:	0.007 (benzyl alcoho) compar	ed with I	outyl acetate			
Relative density		1.22	<i>,</i> .					
Vapour density		Highest known value	e: 3.7 (Air	= 1) (be	enzyl alcohol).			
Explosive properties	:	The product itself is vapour or dust with a			the formation	of an exp	olosible m	nixture of
Oxidising properties	:	Product does not pre	esent an o	xidizing	hazard.			
article characteristics								
Median particle size		Not applicable.						

No additional information.

SECTION 10: Stabilit	y a	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 <u>Acute toxicity</u>

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SECTION 11: Toxicological information

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) ethylenediamine	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	2413 mg/kg	-
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	LC50 Inhalation Dusts and mists	Rat	5.05 mg/l	4 hours
	LD50 Oral	Rat	>2000 mg/kg	-

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

Irritation/Corrosion

Conclusion/Summary

: There are no data available on the mixture itself.

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

Respiratory Sensitisation

Skin Eyes

Product/ingredient name		Route of exposure	Species	Result
Octadecanoic acid, 12-hyc ethylenediamine	lroxy-, reaction products with	skin	Guinea pig	Sensitising
Conclusion/Summary				
Skin	: There are no data avail	lable on the mixtur	e itself.	
Respiratory	: There are no data avail	lable on the mixtur	e itself.	
Mutagenicity				
Conclusion/Summary	: There are no data avail	lable on the mixtur	e itself.	
Carcinogenicity				
Conclusion/Summary	: There are no data avail	lable on the mixtur	e itself.	
Reproductive toxicity				
Conclusion/Summary	: There are no data avail	lable on the mixtur	e itself.	
Teratogenicity				
Conclusion/Summary	: There are no data avail	lable on the mixtur	e itself.	
Specific target organ toxi	city (single exposure)			

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
➡-(3-(trimethoxysilyl)propyl)ethylenediamine	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

: Not available.

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SECTION 11: Toxico		
Potential acute health effect	•	
Inhalation	Harmful if inhaled.	
Ingestion	: Harmful if swallowed.	
Skin contact	: Causes severe burns. Toxic in co	ontact with skin. May cause an allergic skin reaction
Eye contact	: Causes serious eye damage.	
	vsical, chemical and toxicological	<u>characteristics</u>
Inhalation	: No specific data.	
Ingestion	: Adverse symptoms may include t stomach pains	ne following:
Skin contact	: Adverse symptoms may include t pain or irritation redness blistering may occur	าe following:
Eye contact	: Adverse symptoms may include t pain watering redness	าe following:
Delayed and immediate eff	ects as well as chronic effects from	short and long-term exposure
Short term exposure Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Long term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Potential chronic health eff		
Not available.		
Conclusion/Summary	: Not available.	
General		reaction may occur when subsequently exposed t
Carcinogenicity	: No known significant effects or cr	itical hazards.
Mutagenicity	: No known significant effects or cr	
Reproductive toxicity	: No known significant effects or cr	itical hazards.
rtoproduotivo toxioity	• • • • • • • • • • • • • • • • • • •	

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.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

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SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
N-(3-(trimethoxysilyl)propyl)ethylenediamine Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	EC50 597 mg/l Acute EC50 >100 mg/l	Fish Algae - <i>Pseudokirchneriella</i> subcapitata	96 hours 72 hours
	Acute EC50 >10 mg/l	Daphnia - <i>Daphnia</i> magna	48 hours
	Acute LC50 >10 mg/l	Fish - Oncorhynchus mykiss	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
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	301D Ready Biodegradability - Closed Bottle Test	22 % - 28 days	-	-
Conclusion/Summary : There are no data available on the mixture itself.				

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
benzyl alcohol Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	-	-	Readily Inherent

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
 2'-dimethyl-4,4'-methylenebis(cyclohexylamine)	1.8		Low
benzyl alcohol Octadecanoic acid, 12-hydroxy-, reaction products	0.87		Low
with ethylenediamine	>5.86		High

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.

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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

ProductMethods 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: The classification of the product may meet the criteria for a 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		ion of waste should be avoided or minimised wherever possible. Waste hould be recycled. Incineration or landfill should only be considered when 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA	
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	11	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.

English (GB) United Arab Emirates

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878				
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NOVAGUA	RD 890 CONDUCTIV	E HARDENER BLACK		
SECTIC	ON 14: Transpor	rt information		
IMDG	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. 			
user upright and sec		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 : according to IMO 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.

Explosive precursors : Not applicable.

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	-		on.	
Abbreviations and		= Acute Toxicity Estimate		
acronyms	1272/20 DNEL = EUH sta PNEC =	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	: F 302 H311 H314 H317 H318 H319 H331 H332 H335 H411	Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Toxic if inhaled. Harmful if inhaled. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.		
		English (GB)	United Arab Emirates	13/14

Conforms to Regulation (EC 2020/878) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)
Code : 00000109994	2 Date of issue/Date of revision : 17 April 2024
NOVAGUARD 890 CONDUC	TIVE HARDENER BLACK
SECTION 16: Other	information
	H412 Harmful to aquatic life with long lasting effects.
Full text of classifications [CLP/GHS]	: Acute Tox. 3 Acute Tox. 4ACUTE TOXICITY - Category 3 Acute Tox. 4 Aquatic Chronic 2
<u>History</u>	
Date of issue/ Date of revision	: 17 April 2024
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