SAFETY DATA SHEET

Date of issue/Date of revision

: 2 August 2022

Version : 2.02



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

1.1 Product identifier	
Product name	: NOVAGUARD 890 CONDUCTIVE HARDENER BLACK
Product code	: 00358540
Product type	: Liquid.
Other means of identification	on
Not available.	
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	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	

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. 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

Conforms to Regulation (EC)	No	. 1907/2006 (REACH), A	nnex II	
Code : 00358540			Date of issue/Date of revision	: 2 August 2022
NOVAGUARD 890 CONDUCT	TIVE	HARDENER BLACK		
SECTION 2: Hazards	id	entification		
Hazard pictograms	:			
Signal word	:	Danger		
Hazard statements	:	Harmful if swallowed or Toxic in contact with skin Causes severe skin burn May cause an allergic sk Toxic to aquatic life with	n. ns and eye damage. kin reaction.	
Precautionary statements				
Prevention	:	Wear protective gloves, the environment.	protective clothing and eye or face pro	tection. Avoid release to
Response	:		ALED: Immediately call a POISON CE ately call a POISON CENTER or docto	
Storage	1	Not applicable.		
Disposal	:	Dispose of contents and international regulations.	container in accordance with all local,	regional, national and
Hazardous ingredients	:	N-(3-(trimethoxysilyl)pro	lenebis(cyclohexylamine) pyl)ethylenediamine ydroxy-, reaction products with ethyler	nediamine
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	nen	ts		
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 co	ontain 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: Compo	sition/informat	ion on ir	ngredients		
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
2,2'-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	Acute Tox. 4, H332 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 11 mg/l	[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.

Туре

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

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.

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SECTION 4: First ai	d measures	
4.2 Most important sympto	ms and effects, both acute and delayed	
Potential acute health effe	<u>ects</u>	
Eye contact	: Causes serious eye damage.	
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/sym	uptoms	
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 immed	diate 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: Firefig	hting measures	
5.1 Extinguishing media		
Suitable extinguishing	: Use an extinguishing agent suitable for the surrounding fire.	

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	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, protective 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 containment 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.

to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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

SECTION 8: Exposure controls/personal protection

handling or use.

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/ingredien	t name	Exposure limit values
benzyl alcohol		IPEL (-). TWA: 5 ppm STEL: 10 ppm
Recommended monitoring procedures	atmosphere or bi the ventilation or protective equipr following: Europ assessment of e values and meas atmospheres - G exposure to cher atmospheres - G measurement of	ntains ingredients with exposure limits, personal, workplace iological monitoring may be required to determine the effectiveness of other control measures and/or the necessity to use respiratory nent. Reference should be made to monitoring standards, such as the ean Standard EN 689 (Workplace atmospheres - Guidance for the xposure by inhalation to chemical agents for comparison with limit surement strategy) European Standard EN 14042 (Workplace uide for the application and use of procedures for the assessment of nical and biological agents) European Standard EN 482 (Workplace eneral requirements for the performance of procedures for the chemical agents) Reference to national guidance documents for determination of hazardous substances will also be required.
8.2 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.
Individual protection measured	<u>es</u>	
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	:	

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SECTION 8: Exposu	ontrols/personal protection	
	Chemical-resistant, impervious gloves complying with an approved standard sorr at all times when handling chemical products if a risk assessment indicate becassary. Considering the parameters specified by the glove manufacturer, during use that the gloves are still retaining their protective properties. It should noted that the time to breakthrough for any glove material may be different for glove manufacturers. In the case of mixtures, consisting of several substance protection time of the gloves cannot be accurately estimated. When prolonge requently repeated contact may occur, a glove with a protection class of 6 breakthrough time greater than 480 minutes according to EN 374) is recommodered by the glove selected for handlir breakthrough time greater than 30 minutes according to EN 374) is recommodered by the glove state that the final choice of type of glove selected for handlir broduct is the most appropriate and takes into account the particular condition as included in the user's risk assessment.	ates this is , check uld be r different es, the ed or nended. gher ended. ng this
Gloves	itrile neoprene	
Body protection	Personal protective equipment for the body should be selected based on the performed and the risks involved and should be approved by a specialist before nandling this product.	
Other skin protection	Appropriate footwear and any additional skin protection measures should be approaced on the task being performed and the risks involved and should be appropriate before handling this product.	
Respiratory protection	Respirator selection must be based on known or anticipated exposure levels, nazards of the product and the safe working limits of the selected respirator. are exposed to concentrations above the exposure limit, they must use appro- certified respirators. Use a properly fitted, air-purifying or air-fed respirator co- vith an approved standard if a risk assessment indicates this is necessary.	lf workers priate,
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to hey comply with the requirements of environmental protection legislation. In cases, fume scrubbers, filters or engineering modifications to the process equivil be necessary to reduce emissions to acceptable levels.	some

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

	English (G	B) Unite	ed Arab Emir	ates 7/14
Viscosity	: Kinematic (40°C): >21 mm ² /	S		
рН	insoluble in water.	5	5	
Decomposition temperature	: Stable under recommended	storage and	handling cond	ditions (see Section 7).
	2'-dimethyl-4,4'-methylenebis (cyclohexylamine)	275	527	
Auto-ignition temperature	: Ingredient name	°C	°F	Method
Flammability (solid, gas) Upper/lower flammability or explosive limits	: liquid : Greatest known range: Low	er: 1.3% Upp	per: 13% (ben:	zyl alcohol)
Initial boiling point and boiling range	: >37.78°C			
Melting point/freezing point	: May start to solidify at the fo data for the following ingred Weighted average: -10.2°C	ent: 2,2'-dime		· · · · ·
Odour threshold	: Not available.			
Odour	: Amine-like.			
Colour	: Black.			
Physical state	: Liquid.			
Appearance				

Conforms	to Regulation (EC) N	o. 1907/2006 (REACH), Annex II
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SECTION 9: Physical and chemical properties

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Solubility(ies)

Media	Result	Result					
cold water	Not soluble						
artition coefficient: n-octa ater	nol/ : Not applicable.						
apour pressure	:	Vapou	Ir Press	sure at 20°C	Vapo	our press	sure at 50°C
apour pressure	: Ingredient name	Vapou mm Hg		sure at 20°C Method	Vapo mm Hg	bur press kPa	sure at 50°C Method

		1 1 5 7 5						
Evaporation rate	:	0.007 (benzyl alcohol	0.007 (benzyl alcohol) compared with butyl acetate					
Relative density	1	1.22						
Vapour density	:	Highest known value	: 3.7 (Air	= 1) (be	nzyl alcohol).			
Explosive properties	1	Product does not pre	sent an e	explosion	hazard.			
Oxidising properties	:	Product does not pre	sent an c	xidizing h	azard.			
Particle characteristics								
Median particle size	:	Not applicable.						

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity 10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients. **10.2 Chemical stability** : The product is stable. : Under normal conditions of storage and use, hazardous reactions will not occur. **10.3 Possibility of** hazardous reactions 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** : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides Formaldehyde. metal oxide/oxides decomposition products

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 (cyclohexylamine)	LC50 Inhalation Dusts and mists	Rat	420 mg/m ³	4 hours
(),	LD50 Dermal	Rabbit	>0.2 g/kg	-
	LD50 Oral	Rat	>0.32 g/kg	-
benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	>4178 mg/m ³	4 hours
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1.23 g/kg	-
N-(3-(trimethoxysilyl)propyl) ethylenediamine	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

Irritation/Corrosion

Conclusion/Summary

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

: There are no data available on the mixture itself.

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

Sensitisation

Product/ingredient name		Route of exposure	Species	Result
Øctadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine		skin	Guinea pig	Sensitising
Conclusion/Summary				
Skin	: There are no data ava	ilable on the mixtu	re itself.	
Respiratory	: There are no data ava	ilable on the mixtu	re itself.	
<u>Mutagenicity</u>				
Conclusion/Summary	: There are no data ava	ilable on the mixtu	re itself.	
Carcinogenicity				
Conclusion/Summary	: There are no data ava	ilable on the mixtu	re itself.	
Reproductive toxicity				
Conclusion/Summary	: There are no data ava	ilable on the mixtu	re itself.	
<u>Feratogenicity</u>				
Conclusion/Summary	: There are no data ava	ilable on the mixtu	re itself.	
Specific target organ toxic	<u>ity (single exposure)</u>			
Not available.				
Specific target organ toxic	<u>ity (repeated exposure)</u>			
Not available.				
Aspiration hazard				
Not available.				
	N 1 1 1			
nformation on likely outes of exposure	: Not available.			
Potential acute health effe	cts			
Inhalation	: Harmful if inhaled.			
Ingestion	: Harmful if swallowed.			
Skin contact		Toxic in contact v	vith skin. May cause a	an allergic skin reaction.

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SECTION 11: Toxicol	0	gical information
Eye contact	:	Causes serious eye damage.
Symptoms related to the ph	ysi	ical, chemical and toxicological characteristics
Inhalation	1	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	<u>cts</u>	as well as chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effe	<u>ect</u>	<u>2</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.

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.

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
Ctadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 >10 mg/l	Daphnia - Daphnia 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
Catadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	-		Readily Inherent

12.3 Bioaccumulative potential

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

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.

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SECTION 13: Disposal considerations

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

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Yes.

European waste catalogue (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 when 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 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))	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	II	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
g	

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SECTION 14: Tra	SECTION 14: Transport information				
	e environmentally hazardous substar gulations.	nce mark may appear if required by c	other transportation		
14.6 Special precaution user	ns for : Transport within user's upright and secure. Ensure event of an accident or spi	e that persons transporting the produ			
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					
EU Regulation (EC) No. 1907/2006 (REACH)					

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	 H302 Harmful if swallowed. H311 Toxic 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. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Full text of classifications [CLP/GHS]	

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II					
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NOVAGUARD 890 CONDU	CTIVE HARDENER BLACK				
SECTION 16: Other	SECTION 16: Other information				
	: Acute Tox. 3 Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Eye Dam. 1 Eye Irrit. 2 Skin Corr. 1A Skin Sens. 1 Skin Sens. 1B	ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUA LONG-TERM (CHRONIC) AQUA SERIOUS EYE DAMAGE/EYE IR SERIOUS EYE DAMAGE/EYE IR SKIN CORROSION/IRRITATION SKIN SENSITISATION - Category SKIN SENSITISATION - Category	TIC HAZARD - Category 3 RITATION - Category 1 RITATION - Category 2 - Category 1A y 1		
<u>History</u>	0.4				
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