SAFETY DATA SHEET

Date of issue/Date of revision

: 2 December 2024 Version



pPG

: 2

SECTION 1: Identification of the substance/mixture and of the company/ undertaking 1.1 Product identifier Product name : SIGMAGLIDE 2390 HARDENER Product code : 000001194863

Other means of identification

00467225; 00470776

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Hardener.; 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

PPG Protective and Marine Coatings Pty Ltd 7 Arnold Street, Alrode, Alberton, Gauteng South Africa Tel: 0027 11 389 4800

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

1.4 Emergency telephone : +27 (0)861 555 777 number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360FD STOT SE 2, H371 STOT SE 3, H335 STOT RE 2, H373

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

English (GB)

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SECTION 2: Hazards	Identification
Hazard pictograms	
Signal word	: Danger
Hazard statements	 Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. May damage fertility. May damage the unborn child. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	: Collect spillage.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P391, P403 + P233, P501
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Restricted to professional users.
Special packaging requiren	<u>ents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture contains substances that are assessed to be a PBT or a vPvB, refer to Section 3.2.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
fetraethyl silicate	REACH #: 01-2119496195-28 EC: 201-083-8 CAS: 78-10-4 Index: 014-005-00-0	≥25 - ≤48	Flam. Liq. 3, H226 Acute Tox. 4, H332 Eye Irrit. 2, H319 STOT SE 3, H335	ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
pentane-2,4-dione	REACH #: 01-2119458968-15 EC: 204-634-0 CAS: 123-54-6 Index: 606-029-00-0	≥25 - ≤27	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 3, H331	ATE [Oral] = 570 mg/ kg ATE [Dermal] = 790 mg/kg ATE [Inhalation (vapours)] = 5.1 mg/l	[1] [2]
dibutylbis(pentane- 2,4-dionato-O,O')tin	REACH #: 01-2119557817-24 EC: 245-152-0 CAS: 22673-19-4 Index: 650-056-00-0	≤1.9	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360FD STOT SE 1, H370 STOT RE 1, H372 (immune system) Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 1864 mg/ kg M [Acute] = 1 M [Chronic] = 1	[1] [2]
decamethylcyclopentasiloxane	REACH #: 01-2119511367-43 EC: 208-764-9 CAS: 541-02-6	≤0.30	Not classified.	-	[3] [4]
dodecamethylcyclohexasiloxane	REACH #: 01-2119517435-42 EC: 208-762-8 CAS: 540-97-6	≤0.30	Not classified.	-	[3] [4]
octamethylcyclotetrasiloxane	REACH #: 01-2119529238-36 EC: 209-136-7 CAS: 556-67-2 Index: 014-018-00-1	≤0.30	Repr. 2, H361f Aquatic Chronic 1, H410	M [Chronic] = 10	[1] [2] [3] [4]
			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

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

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

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

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SECTION 3: Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

4.1 Description of first aid n	neasures
Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
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

	English (GB)	South Africa	4/15
Notes to physician :	Treat symptomatically. Contact pois quantities have been ingested or inh	on treatment specialist immediately if large aled.	
4.3 Indication of any immediate	e medical attention and special trea	ment needed	
Ingestion	Adverse symptoms may include the reduced foetal weight increase in foetal deaths skeletal malformations	following:	
Skin contact	: Adverse symptoms may include the irritation redness dryness cracking reduced foetal weight increase in foetal deaths skeletal malformations	following:	
	: Adverse symptoms may include the respiratory tract irritation coughing reduced foetal weight increase in foetal deaths skeletal malformations	-	
Eye contact	: Adverse symptoms may include the pain or irritation watering redness	following:	
Over-exposure signs/symptor	<u>ns</u>		
Ingestion :	May cause damage to organs follow	, ,	
Skin contact :	May cause damage to organs follow skin irritation. Defatting to the skin.	ing a single exposure in contact with skin.(May cause an allergic skin reaction.	Causes
Inhalation :	Harmful if inhaled. May cause respi	ratory irritation.	
Eye contact :	Causes serious eye irritation.		
Potential acute health effects	· · · · · ·		

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SECTION 4: First aid		easures
Specific treatments	:	No specific treatment.
SECTION 5: Firefight	tinç	g measures
5.1 Extinguishing media Suitable extinguishing media	:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	:	Do not use water jet.
5.2 Special hazards arising f	rom	the substance or mixture
Hazards from the substance or mixture	:	Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. 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 metal oxide/oxides
5.3 Advice for firefighters		
Special precautions for fire-fighters	1	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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: 1	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 Europea standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for containment and cleaning up	
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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SECTION 6: Accidental release measures

Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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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
Fetraethyl silicate	DOL OEL (South Africa, 3/2021) TWA 8 hours: 20 ppm.
pentane-2,4-dione	ACGIH TLV (United States, 7/2023) Absorbed through skin. TWA 8 hours: 25 ppm.
dibutylbis(pentane-2,4-dionato-O,O')tin	DOL OEL (South Africa, 3/2021) [tin organic compounds except cyhexatin] Absorbed through skin. TWA 8 hours: 0.2 mg/m ³ (as Sn).

No exposure indices known.

		English (GB) South Africa 7/15
Gloves	:	butyl rubber
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.
Eye/face protection Skin protection		Chemical splash goggles.
Hygiene measures		Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Individual protection measu		-
8.2 Exposure controls Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Recommended monitoring procedures	:	Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti- static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	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. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3
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	: Colourless.	Colourless.				
Odour	: Alcohol-like. [Slight]					
Odour threshold	: Not available.					
Melting point/freezing point Initial boiling point and boiling range	: Not determined. : >37.78°C					
Flammability Upper/lower flammability or explosive limits	Not determined. There areNot available.	e no data availal	ble on the m	ixture itself.		
Flash point	: Closed cup: 26°C					
Auto-ignition temperature	: Ingredient name	°C	°F	Method		
	pentane-2,4-dione	340	644			
Decomposition temperature	: Stable under recommend	ed storage and I	handling con	ditions (see Section 7).		
рН	: Not applicable. insoluble i					
Viscosity	: Øynamic (room temperatu Kinematic (room tempera Kinematic (40°C): >21 mr	ture): Not availa				
Viscosity Solubility(ies)	: 30 - <40 s (ISO 6mm)					
Media	Result					
cold water	Not soluble					
Partition coefficient: n-octanol water Vapour pressure	/ : Not applicable.					

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

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SECTION 9: Physical and chemical properties

		Vapou	ur Pres	sure at 20°C	Vapour pressure at 50		sure at 50°C
	Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
	pentane-2,4-dione	6.97557	0.93				
Relative density	: 0.98			ł		-+	
Explosive properties	: The product itself is vapour or dust with a			t the formation	of an exp	olosible n	nixture of
Oxidising properties	: Product does not pre	esent an o	xidizing	hazard.			
Particle characteristics							
	: Not applicable.						

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity					
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.				
10.2 Chemical stability	: The product is stable.				
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.				
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.				
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.				
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides				

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
tetraethyl silicate	LC50 Inhalation Dusts and	Rat	10 to 16 mg/l	4 hours
	mists			
	LD50 Dermal	Rabbit	5.878 g/kg	-
	LD50 Oral	Rat	6270 mg/kg	-
pentane-2,4-dione	LC50 Inhalation Vapour	Rat	5.1 mg/l	4 hours
	LD50 Dermal	Rat	790 mg/kg	-
	LD50 Oral	Rat	570 mg/kg	-
dibutylbis(pentane-2,4-dionato-O,O')tin	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1864 mg/kg	-
decamethylcyclopentasiloxane	LC50 Inhalation Dusts and	Rat	8.67 mg/l	4 hours
	mists			
	LD50 Dermal	Rabbit	>15.3 g/kg	-
	LD50 Oral	Rat	>24134 mg/kg	-
dodecamethylcyclohexasiloxane	LD50 Oral	Rat	>50 g/kg	-
<u>.</u>	English (GB)	South	n Africa	9/15

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SECTION 11: Toxicological information

octamethylcyclotetrasiloxane		LC50 Inhalation Vapour LD50 Dermal LD50 Oral	Rat Rat Rat	36 g/m³ >2375 mg/kg >4800 mg/kg	4 hours - -
Conclusion/Summary	: There are	no data available on the mixt	ure itself.		
rritation/Corrosion					
Conclusion/Summary					
Skin	: There are	no data available on the mixtu	ire itself.		
Eyes	: There are	no data available on the mixtu	ire itself.		
Respiratory	: There are	no data available on the mixtu	ire itself.		
Sensitisation					
Conclusion/Summary					
Skin	: There are	no data available on the mixt	ure itself.		
Respiratory	: There are	no data available on the mixt	ure itself.		
<u>Mutagenicity</u>					
Conclusion/Summary	: There are	no data available on the mixt	ure itself.		
Carcinogenicity					
Conclusion/Summary	: There are	no data available on the mixt	ure itself.		
Reproductive toxicity					
Conclusion/Summary	: There are	no data available on the mixt	ure itself.		
<u>Feratogenicity</u>					
Conclusion/Summary	: There are	no data available on the mixt	ure itself.		

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
	Category 3 Category 1	-	Respiratory tract irritation -

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
dibutylbis(pentane-2,4-dionato-O,O')tin	Category 1	-	immune system

Aspiration hazard

Not available.

Information on likely routes of exposure	: Not available.
Potential acute health ef	<u>fects</u>
Inhalation	: Harmful if inhaled. May cause respiratory irritation.
Ingestion	: May cause damage to organs following a single exposure if swallowed.
Skin contact	: May cause damage to organs following a single exposure in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Eye contact	: Causes serious eye irritation.
Symptoms related to the	physical, chemical and toxicological characteristics
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing reduced foetal weight increase in foetal deaths skeletal malformations

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	5
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Delayed and immediate effe	cts as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>cts</u>
Not available.	
Conclusion/Summary	: Not available.
General	: May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: Suspected of causing genetic defects.
Reproductive toxicity	: May damage fertility. May damage the unborn child.
Other information	: Not available.

Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

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
ctamethylcyclotetrasiloxane	Chronic NOEC 100 mg/l Fresh water	Daphnia - <i>Daphnia</i> <i>magna</i>	21 days

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.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
tetraethyl silicate	3.18	-	Low
pentane-2,4-dione	0.68	-	Low
decamethylcyclopentasiloxane	8.023	-	High
dodecamethylcyclohexasiloxane	8.87	1660	High
octamethylcyclotetrasiloxane	6.488	-	High

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

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
tetraethyl silicate pentane-2,4-dione decamethylcyclopentasiloxane	No No SVHC (Recommended)	N/A N/A Specified	N/A N/A Specified	No No Specified	N/A N/A SVHC (Recommended)	N/A N/A Specified	N/A N/A Specified
dodecamethylcyclohexasiloxane	SVHC (Recommended)	Specified	Specified	Specified	SVHC (Recommended)	Specified	Specified
octamethylcyclotetrasiloxane	SVHC (Recommended)	Specified	Specified	Specified	SVHC (Recommended)	Specified	Specified

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

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

13.1 Waste treatment methods

Product

ode : 0000011948	63	Date of issue/Date of revision	: 2 December 2024	
GMAGLIDE 2390 HARDE	I ER			
ECTION 13: Dispo	sal considerations			
Methods of disposal	of this product, solutio requirements of enviro regional local authority via a licensed waste d the sewer unless fully	ste should be avoided or minimised when ns and any by-products should at all tim pomental protection and waste disposal y requirements. Dispose of surplus and isposal contractor. Waste should not b compliant with the requirements of all a	nes comply with the legislation and any non-recyclable products e disposed of untreated to	
Hazardous waste	: Yes.			
European waste catalog	<u>ue (EWC)</u>			
Waste code	Waste designation			
Ø 8 01 11*	waste paint and varnish containing organic solvents or other hazardous substances			
Packaging	4			
Methods of disposal		ete should be avoided or minimised whe recycled. Incineration or landfill should e.		
	European waste catalogue (EWC)			
Type of packaging		European waste catalogue (EWC)		
Type of packaging	15 01 06	European waste catalogue (EWC) mixed packaging		

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group		III	Ш
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(dibutylbis(pentane- 2,4-dionato-O,O')tin)	Not applicable.

Additional information

ADR/RID	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Tunnel code	: (D/E)
IMDG	: The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
ΙΑΤΑ	 The environmentally hazardous substance mark may appear if required by other transportation regulations.

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SECTION 14: Transport information

14.6 Special precautions for	1	Transport within user's premises: always transport in closed containers that are
user		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

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Toxic to reproduction	dibutylbis(pentane-2,4-dionato-O,O')tin	Candidate	D(2020) 4578-DC	6/25/2020
PBT	decamethylcyclopentasiloxane	Recommended	ED/71/2019	4/14/2021
	dodecamethylcyclohexasiloxane	Recommended	ED/71/2019	4/14/2021
	octamethylcyclotetrasiloxane	Recommended	ED/71/2019	4/14/2021
vPvB	decamethylcyclopentasiloxane	Recommended	ED/71/2019	4/14/2021
	dodecamethylcyclohexasiloxane	Recommended	ED/71/2019	4/14/2021
	octamethylcyclotetrasiloxane	Recommended	ED/71/2019	4/14/2021

Annex XVII - Restrictions : Restricted to professional users.

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 has changed from previously issued version.
 Abbreviations and : ATE = Acute Toxicity Estimate

acronyms	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

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SECTION 16: Other inf	formati	on		
	H226		uid and vapour.	
	H302	Harmful if swa		
	H311	Toxic in conta		
	H314		e skin burns and eye damage.	
	H315	Causes skin ir		
	H317 H318		allergic skin reaction. s eye damage.	
	H319		is eye irritation.	
	H331	Toxic if inhale		
	H332 Harmful if inhaled.			
	H335		piratory irritation.	
	H341		causing genetic defects.	
			ertility. May damage the unborn child.	
	H361f H370	Causes damage	damaging fertility.	
	H371		mage to organs.	
	H372		ge to organs through prolonged or repe	ated exposure.
	H373		mage to organs through prolonged or re	
	H400	Very toxic to a	quatic life.	
	H410		quatic life with long lasting effects.	
	H411	Toxic to aquat	ic life with long lasting effects.	
	Acute To		ACUTE TOXICITY - Category 3	
[CLP/GHS]	Acute To		ACUTE TOXICITY - Category 4	
	Aquatic /		SHORT-TERM (ACUTE) AQUATIC	
		Chronic 1 Chronic 2	LONG-TERM (CHRONIC) AQUATI LONG-TERM (CHRONIC) AQUATI	
	Eye Dan		SERIOUS EYE DAMAGE/EYE IRR	
	Eye Irrit.		SERIOUS EYE DAMAGE/EYE IRR	
	Flam. Lie		FLAMMABLE LIQUIDS - Category	
	Muta. 2		GERM CELL MUTAGENICITY - Ca	
	Repr. 1E		REPRODUCTIVE TOXICITY - Cate	
	Repr. 2	m 10	REPRODUCTIVE TOXICITY - Cate	
	Skin Cor Skin Irrit		SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION -	
	Skin Ser		SKIN SENSITISATION - Category	
	STOT R		SPECIFIC TARGET ORGAN TOXI	
			EXPOSURE - Category 1	
	STOT RE 2		SPECIFIC TARGET ORGAN TOXI	CITY - REPEATED
		- 4	EXPOSURE - Category 2	
	STOT SE 1		SPECIFIC TARGET ORGAN TOXI	CITY - SINGLE
	STOT S	= 2	EXPOSURE - Category 1 SPECIFIC TARGET ORGAN TOXI	CITY - SINGLE
	01010		EXPOSURE - Category 2	ON ONVOLL
	STOT SE 3		SPECIFIC TARGET ORGAN TOXI	CITY - SINGLE
			EXPOSURE - Category 3	
<u>History</u>				
Date of issue/ Date of revision	2 Decen	1ber 2024		
Date of previous issue	29 July 2	2024		
	EHS			
	2			
	<u> </u>			
<u>Disclaimer</u>			esent scientific and technical knowledg	

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English (GB)