Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

SAFETY DATA SHEET

Date of issue/Date of revision

: 23 November 2022 Version : 4.02



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

1.1 Product identifier	
Product name	: SIGMARINE 48 GREEN 4199
Product code	: 00224096
Product type	: Liquid.
Other means of identificat	ion
Not available.	
1.2 Relevant identified uses	s 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 o	f the safety data sheet
Sigma Coatings PTY 9 Arnold Street, Alrode, Alberton, Gauteng South Africa Tel: 0027 11 389 4800	
e-mail address of person responsible for this SDS	: PS.ACEMEA@ppg.com

1.4 Emergency telephone : +27 51 444 2134 number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

: Mixture **Product definition** Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 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.



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SECTION 2: Hazards	identification
Hazard statements	 Flammable liquid and vapour. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Do not breathe vapour.
Response	: 🖉ollect 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.
Hazardous ingredients	: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Supplemental label elements	 Repeated exposure may cause skin dryness or cracking. Contains neodecanoic acid, cobalt salt. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requiren	nents
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do	: Prolonged or repeated contact may dry skin and cause irritation.

not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
₩ydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)	REACH #: 01-2119458049-33 EC: 919-446-0 CAS: 64742-82-1	≥25 - ≤50	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 (central nervous system (CNS)) (inhalation) Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	EUH066: C ≥ 20%	[1] [2]
2-ethylhexanoic acid, zirconium salt	REACH #: 01-2119979088-21 EC: 245-018-1 CAS: 22464-99-9	≤1.0	Repr. 2, H361d (oral)	-	[1] [2]
neodecanoic acid, cobalt salt	REACH #: 01-2119970733-31	≤0.30	Acute Tox. 4, H302 Skin Sens. 1, H317	ATE [Oral] = 1098 mg/ kg	[1] [2]
English (GB) South Africa 2/14					

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SECTION 3: Col	mposition/informa	tion or	n ingredients		
calcium bis (2-ethylhexanoate)	EC: 248-373-0 CAS: 27253-31-2 REACH #: 01-2119978297-19 EC: 205-249-0 CAS: 136-51-6	≤0.30	STOT RE 1, H372 (gastrointestinal tract) (oral) Aquatic Chronic 3, H412 Eye Dam. 1, H318 Repr. 2, H361d (oral)		[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.

<u>Type</u>

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

4.1 Description of first aid measures

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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects	
Eye contact	lo known significant effects or critical hazards.
Inhalation	Can cause central nervous system (CNS) depression. May cause drowsiness or lizziness.
Skin contact	Defatting to the skin. May cause skin dryness and irritation.
Ingestion	Can cause central nervous system (CNS) depression.
Over-exposure signs/sympto	
Eye contact	No specific data.
Inhalation	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness

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SECTION 4: First ai	d measures
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.
4.3 Indication of any imme	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	nting measures
5.1 Extinguishing media	
Suitable extinguishing	: Use dry chemical, CO ₂ , water spray (fog) or foam.

media	
Unsuitable extinguishing media	: Do not use water jet.

5.2 Special hazards arising from 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 nitrogen oxides halogenated compounds metal oxide/oxides
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. 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	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	ective equipment and emergency procedures
For non-emergency personnel	: 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".

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SECTION 6: Acciden	tal release measures			
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.			
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

	E	nglish (GB)	South Africa	5/14
7.2 Conditions for safe storage, including any incompatibilities	with local regulations. container protected fro from incompatible ma Eliminate all ignition s closed and sealed unt carefully resealed and	Store in a segrega om direct sunlight ir terials (see Section ources. Separate f il ready for use. Co kept upright to pre opriate containmen	s: 0 to 35°C (32 to 95°F). Store ted and approved area. Store a dry, cool and well-ventilated 10) and food and drink. Store rom oxidising materials. Keep ontainers that have been opene vent leakage. Do not store in u t to avoid environmental contan ore handling or use.	in original area, away locked up. container tightly d must be inlabelled
Advice on general occupational hygiene	or in metal containers be removed from the Eating, drinking and s handled, stored and p drinking and smoking.	with tight-fitting, se workplace at the en moking should be p rocessed. Workers Remove contamir	als should be stored in purpose If-closing lids. Contaminated ma d of each working day and be s prohibited in areas where this m s should wash hands and face to hated clothing and protective ec B for additional information on h	aterials should stored outside. aterial is pefore eating, quipment before
Protective measures	vapour or mist. Do no release to the environ respirator when ventila spaces unless adequa alternative made from and use away from he explosion-proof electri only non-sparking tool Empty containers reta Materials such as clear	at ingest. Avoid cor ment. Use only wit ation is inadequate. ately ventilated. Ke a compatible mate tat, sparks, open fla cal (ventilating, ligh s. Take precaution in product residue a aning rags, paper w	juipment (see Section 8). Do n itact with eyes, skin and clothing h adequate ventilation. Wear a Do not enter storage areas an ep in the original container or a rial, kept tightly closed when no ime or any other ignition source ting and material handling) equ ary measures against electrost and can be hazardous. Do not ipes and protective clothing, wh aneously self-ignite some hour	g. Avoid ppropriate id confined n approved of in use. Store e. Use hipment. Use tatic discharges. reuse container. hich are
Protective measures			uipment (see Section 8). Do n	
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SECTION 7: Handling and storage

7.3 Specific end use(s)

SIGMARINE 48 GREEN 4199

Code

See Section 1.2 for Identified uses.

: 00224096

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

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		
₩ydrocarbons, C9-C12, n-alka cyclics, aromatics (2-25%) 2-ethylhexanoic acid, zirconiun neodecanoic acid, cobalt salt		es, ACGIH TLV (United States). TWA: 100 ppm ACGIH TLV (United States, 1/2022). [Zirconium and compo STEL: 10 mg/m ³ , (as Zr) 15 minutes. TWA: 5 mg/m ³ , (as Zr) 8 hours. ACGIH TLV (United States, 1/2022). [cobalt and inorganic compounds] Skin sensitiser. Inhalation sensitiser. TWA: 0.02 mg/m ³ , (as Co) 8 hours.		
Recommended monitoring procedures	Standard EN 689 by inhalation to c strategy) Europe application and u biological agents requirements for agents) Referen	O (Workplace atmosphere) themical agents for complete ean Standard EN 14042 use of procedures for the D European Standard E the performance of procession	standards, such as the following: res - Guidance for the assessment parison with limit values and meas (Workplace atmospheres - Guide assessment of exposure to chem N 482 (Workplace atmospheres - cedures for the measurement of ch documents for methods for the de uired.	of exposure urement for the ical and General nemical
8.2 Exposure controls				
Appropriate engineering controls	other engineering recommended of	g controls to keep worke r statutory limits. The er oncentrations below any	process enclosures, local exhaust r exposure to airborne contaminar ngineering controls also need to ke lower explosive limits. Use explos	nts below any ep gas,
Individual protection measure	<u>IS</u>			
Hygiene measures	eating, smoking Appropriate tech Wash contamina	and using the lavatory a niques should be used t	hly after handling chemical produc nd at the end of the working period o remove potentially contaminated ing. Ensure that eyewash stations ation.	l. clothing.
Eye/face protection Skin protection	: Safety glasses w	rith side shields.		
Hand protection	worn at all times necessary. Cons during use that th noted that the tin glove manufactu protection time o	when handling chemica sidering the parameters ne gloves are still retaining to breakthrough for a rers. In the case of mixt f the gloves cannot be a	pemplying with an approved standar I products if a risk assessment ind specified by the glove manufacture ing their protective properties. It sh my glove material may be different ures, consisting of several substant ccurately estimated. When prolon in glove with a protection class of 6	icates this is er, check nould be for different nces, the
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SECTION 8: Exposu	ire o	controls/personal protection
		(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	:	For prolonged or repeated handling, use the following type of gloves:
		Recommended: polyvinyl alcohol (PVA), Viton® May be used: nitrile rubber
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.

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	: Green.			
Odour	: Aromatic. [Slight]			
Odour threshold	: Not available.			
Melting point/freezing point	 May start to solidify at the following temperature: -43.77°C (-46.8°F) This is based on data for the following ingredient: 1,2,4-trimethylbenzene. Weighted average: -64.13°C (-83.4°F) 			
Initial boiling point and boiling range	: >37.78°C			
Flammability	: Not available.			
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.4% Upper: 7.6% (Naphtha (petroleum), hydrodesulfurized heavy)			
Flash point	: Closed cup: 44°C			
Auto-ignition temperature	: Ingredient name °C °F Method			
	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)>230>446			
Decomposition temperature pH	 Stable under recommended storage and handling conditions (see Section 7). Not applicable. insoluble in water. 			

English (GB)	South Africa
English (GB)	South Africa

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SECTION 9: Physical	and	chemical prop	oerties					
Viscosity	:	Kinematic (room tem Kinematic (40°C): >2		: >400 n	nm²/s			
Viscosity		> 100 s (ISO 6mm)						
Solubility(ies)								
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octan water	ol/ :	Not applicable.						
Vapour pressure	:		Vapou	ur Press	sure at 20°C	Vap	our pressure at 50°C	
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	1.7	0.23				
Evaporation rate		Highest known value acetate	: 0.77 (xy	lene) W	eighted avera	ge: 0.5cc	ompared	with butyl
Relative density		0.97						
Vapour density		Highest known value	: 4.4 (Air	= 1) (no	onane). Weigl	hted ave	rage: 4.18	3 (Air = 1)
Explosive properties		The product itself is r vapour or dust with a			the formation	of an exp	olosible m	nixture of
Oxidising properties		Product does not pre	sent an o	xidizing	hazard.			
article characteristics								
Median particle size	:	Not applicable.						
.2 Other information								
No additional information.								

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

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
₩ydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LD50 Oral	Rat	>15000 mg/kg	-
2-ethylhexanoic acid, zirconium salt	LD50 Dermal LD50 Oral	Rabbit Rat	>5 g/kg >5 g/kg	-
neodecanoic acid, cobalt salt	LD50 Oral	Rat - Female	1098 mg/kg	-

Conclusion/Summary Irritation/Corrosion

: There are no data available on the mixture itself.

Conclusion/Summary Skin

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

Eyes Respiratory

: There are no data available on the mixture itself.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
neodecanoic acid, cobalt salt	skin	Mouse	Sensitising

Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
On a stift a damage from the st	

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Category 1	inhalation	central nervous system (CNS)
neodecanoic acid, cobalt salt	Category 1	oral	gastrointestinal tract

Aspiration hazard

Product/ingredient name	Result
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	ASPIRATION HAZARD - Category 1

Information on likely : Not available. routes of exposure

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SECTION 11: Toxicol	ogical information
Potential acute health effect	2
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Ingestion	: Can cause central nervous system (CNS) depression.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Eye contact	: No known significant effects or critical hazards.
Symptoms related to the ph	sical, chemical and toxicological characteristics
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Ingestion	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Eye contact	: No specific data.
Delayed and immediate effe	ts 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>cts</u>
Not available.	
Conclusion/Summary	: Not available.
General	: Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	: No known significant effects or critical hazards.
	A NUMBER OF STREET, A STRE
Mutagenicity	: No known significant effects or critical hazards.
Mutagenicity Reproductive toxicity	 No known significant effects or critical hazards. No known significant effects or critical hazards.

Prolonged or repeated contact may dry skin and cause irritation. 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. 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
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Chronic NOEC 0.097 mg/l Fresh water	Daphnia	21 days
2-ethylhexanoic acid, zirconium salt	Acute LC50 >100 mg/l	Fish	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
Hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)	OECD 301 F 301F Ready Biodegradability - Manometric Respirometry Test	75 % - Readily - 28 days	-	-

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	-	Readily

12.3 Bioaccumulative potential

Not available.

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

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

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

13.1 Waste treatment methods

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

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SECTION 13: Disposal considerations

Hazardous waste	: Yes.		
European waste catalog	<u>Jue (EWC)</u>		
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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. 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	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	111	III	Ш
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Naphtha (petroleum), hydrodesulfurized heavy, nonane)	Not applicable.

Additional information

ADR/RID	This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.2.3.1.5.2.
Tunnel code	: (D/E)
IMDG	: This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.3.2.5.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.
14.6 Special pre user	cautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the

event of an accident or spillage.

Conforms to Regulation (EC) No. 1907/2006 (REACH	P	
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SECTION 14: Transport information		
14.7 Transport in bulk : Not applicable.		
according to IMO		
nstruments		
SECTION 15: Regulatory information		
15.1 Safety, health and environmental regulations/le	egislation specific for the substance or	mixture
EU Regulation (EC) No. 1907/2006 (REACH)		
Annex XIV - List of substances subject to authoris	<u>sation</u>	
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		
and use of certain dangerous substances,		
mixtures and articles		
Other national and international regulations.		
Ozone depleting substances (1005/2009/EU)		

SECTION 16: Other information

Indicates information that has changed from previously issued version.

		English (GB)	South Africa	13/14	
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Flam. Liq. 3 Repr. 2 Skin Sens. 1 STOT RE 1	LONG-TERM (LONG-TERM (ASPIRATION I SERIOUS EYE FLAMMABLE I REPRODUCTI SKIN SENSITI SPECIFIC TAF	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1		
Full text of abbreviated H statements	H302 Harmful if H304 May be fai H317 May cause H318 Causes se H336 May cause H361d Suspected H372 Causes da H411 Toxic to a H412 Harmful to	ble liquid and vapour. if swallowed. fatal if swallowed and enters airways. se an allergic skin reaction. serious eye damage. se drowsiness or dizziness. ed of damaging the unborn child. damage to organs through prolonged or repeated exposure. aquatic life with long lasting effects. to aquatic life with long lasting effects. ed exposure may cause skin dryness or cracking.			
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 				
Indicates mormation that	nas changed from previo	ously issued version.			

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II						
Code : 00224096		Date of issue/Date of revision	: 23 November 2022			
SIGMARINE 48 GREEN 419	99					
SECTION 16: Other information						
	STOT SE 3	SPECIFIC TARGET ORGAN TOX EXPOSURE - Category 3	CICITY - SINGLE			
<u>History</u>						
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Prepared by	: EHS					
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<u>Disclaimer</u>						

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