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

: 17 January 2020 Version



: 2

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

1.1 Product identifier				
Product name	: SIGMATHERM 230 BASE GREY			
Product code	: 00392064			
Product type	: Liquid.			
Other means of identification				
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 Paints Egypt Villa#8, street 279	
New Maadi, Cairo	
Egypt	
Tel: 00202 516 223 797	
Fax: 00202 516 38 04	
e-mail address of person responsible for this SDS	: PS.ACEMEA@ppg.com

1.4 Emergency telephone : +20 2 6840902 number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u>

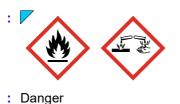
Mam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318

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 Hazard pictograms



Signal word



SECTION 2: Hazards identification

Hazard statements	: Flammable liquid and vapour. Causes serious eye damage. Causes skin irritation.
Precautionary statements	
Prevention	: Wear protective gloves. Wear protective clothing. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response	: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	: Store in a well-ventilated place. Keep cool.
Disposal	: Not applicable.
Hazardous ingredients	: <mark>Z</mark> -methylpropan-1-ol
Supplemental label elements	: Contains Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine. 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 requirem	ents
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 not result in classification	:	Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures :	Mixture			
Product/ingredient name	Identifiers	% by weight	Classification Regulation (EC) No. 1272/2008 [CLP]	Туре
Phenol, polymer with formaldehyde, glycidyl ether	CAS: 28064-14-4	≥10 - <25	Aquatic Chronic 4, H413	[1]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤15	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	[1] [2]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥1.0 - ≤4.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35	≥1.0 - ≤5.0	Flam. Liq. 2, H225	[1] [2]
	English (GE	3)	Egypt	2/14

			,		
	CAS: 100-41-4		STOT RE 2, H373		l
	Index: 601-023-00-4		(hearing organs)		l
			Asp. Tox. 1, H304		l
Octadecanoic acid, 12-hydroxy-,	REACH #: 01-2119979085-27	≤0.30	Skin Sens. 1B, H317	[1]	l
reaction products with	EC: 309-629-8		Aquatic Chronic 3, H412		l
ethylenediamine	CAS: 100545-48-0				J
	1		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

[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

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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. If swallowed, seek medical advice immediately and show the container or label. Keep Ingestion person warm and at rest. Do NOT induce vomiting. **Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed Potential acute health effects **Eve contact** : Causes serious eye damage. : No known significant effects or critical hazards. Inhalation **Skin contact** : Causes skin irritation. Defatting to the skin. Ingestion : No known significant effects or critical hazards. Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : No specific data.

Conforms to Regulation (EC)	No. 1907/2006 (REACH), Annex II
Code : 00392064	Date of issue/Date of revision : 17 January 2020
SIGMATHERM 230 BASE GRE	Υ
SECTION 4: First aid	measures
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any immediat	e medical attention and special treatment needed
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
SECTION 5: Firefight	ing 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 fro	om the substance or mixture
Hazards from the substance or mixture	: Fammable 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.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides sulfur oxides 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: Accident	al release measures

6.1 Personal precautions, prot	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. 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".

Code	: 00392064	
SIGMATHER	M 230 BASE GREY	

Date of issue/Date of revision : 17 January 2020

SECTION 6: Accidental release measures

6.2 Environmental precautions	: Kvoid 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).	
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

Code : 00392064 SIGMATHERM 230 BASE GREY Date of issue/Date of revision :

SECTION 7: Handling and storage

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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

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	Ехр	osure limit values	
xylene		EU OEL (Europe, 2/2017). STEL: 442 mg/m ³ 15 minutes STEL: 100 ppm 15 minutes TWA: 221 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.	tes.	
2-methylpropan-1-ol		ACGIH TLV (United States TWA: 152 mg/m ³ 8 hours.	, 3/2019).	
ethylbenzene		TWA: 50 ppm 8 hours. EU OEL (Europe, 2/2017). STEL: 884 mg/m ³ 15 minutes STEL: 200 ppm 15 minutes TWA: 442 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.	tes.	
Recommended monitoring : procedures	atmosphere or l of the ventilation protective equip the following: E the assessment limit values and atmospheres - 0 exposure to che (Workplace atm for the measure	biological monitoring may be n or other control measures a ment. Reference should be suropean Standard EN 689 (N c of exposure by inhalation to measurement strategy) Eur Guide for the application and emical and biological agents) nospheres - General requiren ement of chemical agents) R	sure limits, personal, workplace required to determine the effective and/or the necessity to use respirato made to monitoring standards, suc Vorkplace atmospheres - Guidance chemical agents for comparison wi opean Standard EN 14042 (Workp use of procedures for the assessm European Standard EN 482 nents for the performance of proce eference to national guidance n of hazardous substances will also	ory h as e for th lace ent of dures
3.2 Exposure controls Appropriate engineering : controls	ventilation or oth contaminants be also need to kee	ner engineering controls to ke elow any recommended or s	cess enclosures, local exhaust eep worker exposure to airborne tatutory limits. The engineering cor ntrations below any lower explosive nent.	
Individual protection measures				
Hygiene measures :	eating, smoking Appropriate tecl Wash contamin	and using the lavatory and a hiniques should be used to re	after handling chemical products, b It the end of the working period. move potentially contaminated clot Ensure that eyewash stations and ocation.	hing.
Eye/face protection : Skin protection	Chemical splas	h goggles and face shield.		
		English (GB)	Egypt	6/14

Conforms to Regulation (EC)	No. 1907/2006 (REACH), Annex II
Code : 00392064	Date of issue/Date of revision : 17 January 2020
SIGMATHERM 230 BASE GRI	EY
SECTION 8: Exposu	re controls/personal protection
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Gloves	: For prolonged or repeated handling, use the following type of gloves:
	May be used: nitrile rubber Recommended: neoprene, natural rubber (latex), butyl rubber, polyvinyl alcohol (PVA), Viton®
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

SECTION 9: Physical and chemical properties

9.1 Information on basic physica	l a	nd chemical properties		
<u>Appearance</u>				
Physical state	:	Liquid.		
Colour	:	Grey.		
Odour	:	Characteristic.		
Odour threshold	:	Not available.		
рН	:	insoluble in water.		
Melting point/freezing point	:	May start to solidify at the following temperation data for the following ingredient: ethylber $(-140.4^{\circ}F)$		
Initial boiling point and boiling range	1	>37.78°C		
Flash point	1	Ølosed cup: 26°C		
		English (GB)	Egypt	7/14

will be necessary to reduce emissions to acceptable levels.

cases, fume scrubbers, filters or engineering modifications to the process equipment

SIGMATHERM 230 BASE GREY

SECTION 9: Physical and chemical properties

Evaporation rate	: Highest known value: 0.84 (ethylbenzene) Weighted average: 0.75compared with butyl acetate
Flammability (solid, gas)	: liquid
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.7% Upper: 10.9% (2-methylpropan-1-ol)
Vapour pressure	: Highest known value: <1.6 kPa (<12 mm Hg) (at 20°C) (2-methylpropan-1-ol). Weighted average: 1.05 kPa (7.88 mm Hg) (at 20°C)
Vapour density	: Highest known value: 3.7 (Air = 1) (xylene). Weighted average: 3.47 (Air = 1)
Relative density	: 🕅.77
Solubility(ies)	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	: Not applicable.
Auto-ignition temperature	: Lowest known value: 415°C (779°F) (2-methylpropan-1-ol).
Decomposition temperature	: Stable under recommended storage and handling conditions (see Section 7).
Viscosity	: Kinematic (40°C): >0.21 cm²/s
Explosive properties	: Product does not present an explosion hazard.
Oxidising properties	: Product does not present an oxidizing hazard.

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.
		There is protective measures listed in sections 7 and 0.
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 sulfur oxides metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects <u>Acute toxicity</u>

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	>1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
Octadecanoic acid, 12-hydroxy-, reaction	LC50 Inhalation Dusts and	Rat	5.05 mg/l	4 hours
products with ethylenediamine	mists			
	LD50 Oral	Rat	>2000 mg/kg	-

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

Acute toxicity estimates

Route	ATE value
	9647.38 mg/kg 86.95 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
x ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

Conclusion/Summary

: There are no data available on the mixture itself.

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

: There are no data available on the mixture itself.

Sensitisation

Skin

Product/ingredient name		Route of exposure	Species	Result	
Sctadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine		skin	Guinea pig	Sensitising	
Conclusion/Summary					
Skin	: There are no data av	ailable on the mixtu	ure itself.		
Respiratory	: There are no data available on the mixture itself.				
Mutagenicity					
Conclusion/Summary	: There are no data av	ailable on the mixtu	ure itself.		
Carcinogenicity					
Conclusion/Summary	: There are no data av	ailable on the mixtu	ure 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.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
2-methylpropan-1-ol	Category 3	Not applicable. Not applicable. Not applicable.	Respiratory tract irritation Narcotic effects Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

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ECTION 11: Toxico	logic	al information	I			1
Product/ing	redient	name	Category		Route of exposure	Target organs
ethylbenzene		Category 2		Not determined	hearing organs	
Aspiration hazard			1		L	
Product/i	ngredi	ent name			R	esult
xylene ethylbenzene			ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1			
Information on likely routes of exposure	: Not	t available.				
Potential acute health effect	s					
Inhalation	_	known significant effect	ts or cri	tical h	azards.	
Ingestion		known significant effect				
Skin contact		uses skin irritation. Defa				
Eye contact		uses serious eye dama	•			
Symptoms related to the ph			-	harac	cteristics	
Inhalation		specific data.	3.001			
Ingestion	: Adv	Adverse symptoms may include the following: stomach pains				
Skin contact	pai red dry cra blis	verse symptoms may in n or irritation Iness ness cking stering may occur			-	
Eye contact	pai wat	verse symptoms may in n tering Iness	ciude ti	ne foll	owing:	
Delayed and immediate effe	cts as	well as chronic effects	s from	<u>short</u>	and long-term ex	aposure
Short term exposure						
Potential immediate effects	: Not	t available.				
Potential delayed effects	: Not	t available.				
Long term exposure						
Potential immediate effects	: Not	t available.				
Potential delayed effects	: Not	t available.				
Potential chronic health effe Not available.						
Conclusion/Summary	: Not	t available.				
General	: Pro		itact ca	n defa	at the skin and lead	d to irritation, cracking an
Carcinogenicity	: No	known significant effect	ts or cri	itical h	azards.	
Mutagenicity	: No	known significant effect	ts or cri	itical h	azards.	
Teratogenicity	: No	known significant effect	ts or cri	itical h	azards.	
Developmental effects		known significant effect				
Fertility effects	: No	known significant effect	ts or cri	tical h	azards.	
Other information	: Not	t available.				

Other information : Not available.

Code : 00392064 SIGMATHERM 230 BASE GREY Date of issue/Date of revision

SECTION 11: Toxicological information

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine. May produce an allergic reaction.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
∕∠methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
ethylbenzene	Acute LC50 150 to 200 mg/l Fresh water	Fish	96 hours
Octadecanoic 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
₩lene ethylbenzene Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine		- - -	Readily Readily Inherent

12.3 Bioaccumulative potential

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 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

with ethylenediamine

<u>Product</u>	
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	
Packaging		

Packaging

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	taken when l Empty conta residues ma container. D thoroughly ir	I and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. iners or liners may retain some product residues. Vapour from product y create a highly flammable or explosive atmosphere inside the the bo not cut, weld or grind used containers unless they have been cleaned aternally. Avoid dispersal of spilt material and runoff and contact with ays, drains and sewers.

Code : 00392064 SIGMATHERM 230 BASE GREY Date of issue/Date of revision

: 17 January 2020

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN 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	Ш	Ш	III
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID	: None identified.
Tunnel code	: (D/E)
IMDG	: None identified.
ΙΑΤΑ	: None identified.

14.6 Special precautions for user: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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

: Not applicable.

<u>Annex XIV</u>

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**

	lo. 1907/2006 (REACH), Annex II
Code : 00392064	Date of issue/Date of revision : 17 January 2020
SIGMATHERM 230 BASE GRE	
SECTION 16: Other in	formation
Indicates information that has	s 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	 H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.
Full text of classifications [CLP/GHS]	 Kcute Tox. 4, H312 Acute Tox. 4, H322 Acute Tox. 4, H332 Acute Tox. 4, H332 Acute Tox. 4, H332 Aquatic Chronic 3, H412 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 Aquatic Chronic 4, H413 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4 Asp. Tox. 1, H304 AspIRATION HAZARD - Category 1 Eye Dam. 1, H318 EVEIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Flam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 3 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 STOT SE 3, H336
<u>History</u> Date of issue/ Date of	: 17 January 2020
revision	
Date of previous issue	: 22 December 2018

Version Disclaimer

Prepared by

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: EHS

: 2