SAFETY DATA SHEET

SIGMAGUARD 730 BASE GREY



Date of issue 29 August 2024

Version 9

1. Product and company identification

Product name	: SIGMAGUARD 730 BASE GREY
Product code	: 00295215
Product type	: Liquid.
Relevant identified uses of	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	: Not applicable.
Supplier's details	₽ PPG PMC Japan Co., Ltd., 8F, Shintetsu Bldg., 1-1, Daikaidori 1-chome, Kobe 652-0803 Japan; Tel: +81-78-574-2777
Emergency telephone number	: 078 574 2777

2. Hazards identification

	 LAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 2 CARCINOGENICITY - Category 1A TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD - Category 1
GHS label elements	
Hazard pictograms	
	: Danger
Hazard pictograms Signal word Hazard statements	 Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Signal word	: Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction.

2. Hazards identification

	respiratory organs) May cause damage to organs through prolonged or repeated exposure. (hearing organs, immune system, kidneys, nervous system, respiratory organs) Very toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response	Collect spillage. IF exposed or concerned: Call a POISON CENTER or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Store locked up. **Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not : Prolonged or repeated contact may dry skin and cause irritation.

result in classification

3. Composition/information on ingredients

Substance/mixture

: Mixture

CAS number/other identifiers ~ • •

CAS number: Not applicable.CSCL number: Not available.			
Ingredient name	%	CAS number	CSCL
vstalline silica, respirable powder (>10 microns)	25 - <50	14808-60-7	1-548
Polycondensate of 4,4'-isopropylidenediphenol	20 - <25	25068-38-6	7-1283
and 1-chloro-2,3-epoxypropane (liquid only)			
Xylene	7 - <10	1330-20-7	3-3; 3-60
Titanium dioxide (excluding nanoparticle)	5 - <7	13463-67-7	1-558; 5-5225
Talc (containing no asbestos or quartz)	5 - <7	14807-96-6	Not available.
Crystalline silica (quartz)	3 - <5	14808-60-7	1-548
Epoxy Resin (700 <mw<=1100)< td=""><td>3 - <5</td><td>25036-25-3</td><td>Not available.</td></mw<=1100)<>	3 - <5	25036-25-3	Not available.
nonylphenol	2 - <3	25154-52-3	3-503
Ethyl Benzene	1 - <2	100-41-4	3-28; 3-60
Phenol, polymer with formaldehyde, glycidyl ether (MW<=700)	1 - <2	28064-14-4	7-1285
carbon black	0.1 - <0.2	1333-86-4	5-3328; 5-5222

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 and hence require reporting in this section.

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

SUB codes represent substances without registered CAS Numbers.

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4. First aid measures

Description of necessary 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 recognized skin cleanser. Do NOT use solvents or thinners. 	
Ingestion	 If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting. 	

Most important symptoms/e	ffec	ts, acute and delayed
Potential acute health effect	ts	
Eye contact	1	Causes serious eye irritation.
Inhalation	1	No known significant effects or critical hazards.
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.
Ingestion	1	May cause damage to organs following a single exposure if swallowed.
Over-exposure signs/symp	tom	<u>15</u>
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate med	ica	l attention and special treatment needed, if necessary
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	1	No specific treatment.
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.

See toxicological information (Section 11)

5. Fire-fighting measures		
Extinguishing media		
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.	
Unsuitable extinguishing media	: Do not use water jet.	
Specific hazards arising from the chemical	: Flammable liquid and vapor. 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 very 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 thermal decomposition products	: Decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides	
Special protective actions 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.	

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized 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".
Environmental precautions Methods and materials for co	: Avoid dispersal of spilled 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.
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 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent

6. Accidental release measures

material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe : 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 handling 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 vapor 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.

Conditions for safe storage : 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 oxidizing 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
erystalline silica, respirable powder (>10 microns) Xylene	Japan Society for Occupational Health (Japan, 5/2023). [Respirable crystalline silica] OEL-C: 0.03 mg/m ³ Form: Respirable dust Industrial Safety and Health Act (Japan, 6/2020). [xylene] TWA: 50 ppm 8 hours. Japan Society for Occupational Health (Japan, 5/2023).
	OEL-M: 50 ppm 8 hours. OEL-M: 217 mg/m ³ 8 hours.
Titanium dioxide (excluding nanoparticle)	Japan Society for Occupational Health (Japan, 5/2023). [titanium dioxide] OEL-M: 1.5 mg/m ³ , (as Ti) 8 hours. Form: Respirable particulate matter OEL-M: 2 mg/m ³ , (as Ti) 8 hours. Form: Total particulate matter Japan Society for Occupational Health (Japan, 5/2023). [titanium dioxide (nanoparticle)]
	Japan Page: 5/1

8 Exposure controls/personal protection

		OEL-M: 0.3 mg/m ³ 8 hours. Form:
Tala (as atainin a sa sa basta a		nanoparticle
Talc (containing no asbestos	or quartz)	Japan Society for Occupational Health
		(Japan, 5/2023). [Class 1 dusts (Activated charcoal, Alumina, Aluminium, Bentonite,
		Diatomite, Graphite, Kaolinite, Pagodite,
		Pyrites, Pyrite cinder)]
		OEL-M: 0.5 mg/m ³ 8 hours. Form:
		Respirable dust (Class 1 Dust)
		OEL-M: 2 mg/m ³ 8 hours. Form: Total dust
		(Class 1 Dust)
Crystalline silica (quartz)		Japan Society for Occupational Health
		(Japan, 5/2023). [Respirable crystalline
		silica]
		OEL-C: 0.03 mg/m ³ Form: Respirable dust
Ethyl Benzene		Japan Society for Occupational Health
		(Japan, 5/2023). Absorbed through skin.
		OEL-M: 87 mg/m ³ 8 hours. OEL-M: 20 ppm 8 hours.
		Industrial Safety and Health Act (Japan,
		6/2020).
		TWA: 20 ppm 8 hours.
Recommended monitoring	: Reference should be made to appro	priate monitoring standards. Reference to
procedures		thods for the determination of hazardous
	substances will also be required.	
Appropriate engineering	Lies only with adaptive ventilation	
Appropriate engineering controls		Use process enclosures, local exhaust ventilation o worker exposure to airborne contaminants
controis		y limits. The engineering controls also need to
		ons below any lower explosive limits. Use
	explosion-proof ventilation equipmer	
Environmental exposure	: Emissions from ventilation or work p	rocess equipment should be checked to ensure
controls		f environmental protection legislation. In some
		gineering modifications to the process equipment
	will be necessary to reduce emission	ns to acceptable levels.
Individual protection measur	es	
Hygiene measures		roughly after handling chemical products, before
		bry and at the end of the working period.
		sed to remove potentially contaminated clothing.
		not be allowed out of the workplace. Wash
		g. Ensure that eyewash stations and safety
	showers are close to the workstation	n location.
Eye protection	: Chemical splash goggles.	
<u>Skin protection</u>		
Hand protection		es complying with an approved standard should
		hemical products if a risk assessment indicates
		arameters specified by the glove manufacturer,
		e still retaining their protective properties. It
		akthrough for any glove material may be turers. In the case of mixtures, consisting of
		me of the gloves cannot be accurately
	•	
	estimated.	
Gloves	estimated. : butyl rubber	

8 Exposure controls/personal protection

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.
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.

9. Physical and chemical properties

<u>Appearance</u>				
Physical state	: Liquid.			
Color	: Gray.			
Odor	Characteristic.			
Boiling point	: >37.78°C (>100°F)			
Flash point	Closed cup: 26°C (78.8°F)		
Relative density	: 1.58			
Solubility/ico)	Media	Result		
	old water	Not soluble		

10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides

Product name SIGMAGUARD 730 BASE GREY

11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 g/kg	-
Xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
Titanium dioxide (excluding nanoparticle)	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Epoxy Resin (700 <mw <=1100)</mw 	LD50 Dermal	Rat	>2000 mg/kg	-
,	LD50 Oral	Rat	>2000 mg/kg	-
nonylphenol	LD50 Dermal	Rabbit	2.14 g/kg	-
	LD50 Oral	Rat	580 mg/kg	-
Ethyl Benzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
carbon black	LD50 Oral	Rat	>10 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Eyes - Moderate irritant	Rabbit	-	-	-
	Skin - Moderate irritant	Rabbit	-	-	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 Ul	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-
Xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Product/ingredient name	Route of exposure	Species	Result
♥olycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	skin	Mouse	Sensitizing

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

11. Toxicological information

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
₩ylene	Category 1	-	central nervous system (CNS), kidneys, liver, respiratory organs
	Category 3		Narcotic effects
Talc (containing no asbestos or quartz)	Category 1	-	respiratory organs
nonylphenol	Category 3	-	Respiratory tract irritation
Ethyl Benzene	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
X ylene	Category 1	-	nervous system, respiratory organs
Titanium dioxide (excluding nanoparticle)	Category 1	-	respiratory organs
Talc (containing no asbestos or quartz)	Category 1	-	respiratory organs
Crystalline silica (quartz)	Category 1	-	immune system, kidneys, respiratory organs
nonylphenol	Category 2	-	bladder, kidneys
Ethyl Benzene	Category 1	-	hearing organs, nervous system
carbon black	Category 1	-	respiratory organs

Aspiration hazard

Name	Result
X ylene	ASPIRATION HAZARD - Category 1
Ethyl Benzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	Not available.	
Potential acute health effect		
Eye contact	Causes serious eye irritation.	
Inhalation	No known significant effects or critical hazards.	
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	on.
Ingestion	May cause damage to organs following a single exposure if swallowed.	
Symptoms related to the p	ical, chemical and toxicological characteristics	
Eye contact	Adverse symptoms may include the following: pain or irritation watering redness	

11. Toxicological information

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Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Long term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Potential chronic health eff	<u>:ts</u>	
General	: May cause damage to organs through prolonged or repeated exposure. Prolo 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.	onged
Carcinogenicity	: May cause cancer. Risk of cancer depends on duration and level of exposure	Э.
Mutagenicity	: Suspected of causing genetic defects.	
Reproductive toxicity	: May damage fertility or the unborn child.	

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
GMAGUARD 730 BASE GREY Polycondensate of 4,4'-isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	15092.1 2500	5419.5 2500	N/A N/A	107.0 N/A	N/A N/A
Xylene Epoxy Resin (700 <mw<=1100) nonylphenol Ethyl Benzene</mw<=1100) 	4300 2500 580 3500	1700 2500 2140 17800	N/A N/A N/A N/A	11 N/A N/A 17.8	N/A N/A N/A N/A

Other information

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11. Toxicological information

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 vapor/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.

12. Ecological information

<u>Toxicity</u>

Product/ingredient name	Result	Species	Exposure
♥olycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	Chronic NOEC 0.3 mg/l	Daphnia	21 days
Titanium dioxide (excluding nanoparticle)	Acute LC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
nonylphenol	Acute EC50 0.056 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Chronic EC10 0.003 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Chronic NOEC 1 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
Ethyl Benzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-

Persistence/degradability

Product/ingredient name	Test	Result		Dose	Inoculum
Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only) Ethyl Benzene	OECD 301F	5 % - 28 da 79 % - Rea	ays adily - 10 days	-	-
Product/ingredient name	Aquatic half-lif	e	Photolysis		Biodegradability
Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only) Xylene Ethyl Benzene	-		-		Not readily Readily Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	2.64 to 3.78	31	Low
Xylene nonylphenol Ethyl Benzene	3.12 3.28 3.6	7.4 to 18.5 154.88 79.43	Low Low Low

Mobility in soil

Soil/water partition	
coefficient (Koc)	
Mobility	

: Not available.

: Not available.

FIODUCE Manie SIGINIAGOARD 730 BASE GRE

12. Ecological information

Other adverse effects

: No known significant effects or critical hazards.

13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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. Vapor 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 spilled material and runoff and contact with soil, waterways, drains and sewers
	sewers.

14. Transport information

	UN	IMDG	ΙΑΤΑ
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3
Packing group	III		III
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Feaction product: bisphenol-A- (epichlorohydrin); epoxy resin)	Not applicable.

Additional information

UN	: None identified.
IMDG	: The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg.
IATA	: The environmentally hazardous substance mark may appear if required by other transportation regulations.
Special prec	autions for user : Transport within user's premises: always transport in closed containers that are

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.

Transport in bulk according : Not applicable. to IMO instruments

Product code 00295215

Product name SIGMAGUARD 730 BASE GREY

15. Regulatory information

Fire Service Law

Category	Substance name/Type	Danger category	Signal word	Designated quantity
Category IV	Class II petroleums	III	Flammable - Keep Fire Away	1000 L

Pollutant Release and Transfer Registers (PRTR)

Ingredient name	%	Status	Reference number
▼ylene	9.3	Class 1	80
Alkylphenol (limited to those the alkyl group is C9)	3.0	Class 1	320
Ethylbenzene	1.6	Class 1	53

Industrial Safety and Health Act

Ordinance on the Prevention of the Hazard due to Specified Chemical Substances

Ingredient name	%		Reference number
ethyl benzene	≤10	Special Organic Solvents	3-3

Substance(s) requiring labelling

Ingredient name	%	Status	Reference number
rystalline silica	≥40 - ≤50	Listed	165-2
Xylene	≤10	Listed	136
Titanium(IV) oxide	≤10	Listed	191
Ethylbenzene	≤10	Listed	70

Chemicals requiring notification

Ingredient name	%	Status	Reference number
✔rystalline silica	≥40 - ≤50	Listed	165-2
Xylene	≤10	Listed	136
Titanium(IV) oxide	≤10	Listed	191
Ethylbenzene	≤10	Listed	70
Carbon black	≤10	Listed	130

Carcinogens based on Article 577-2 of the Ordinance on ISH

Ingredient name	%		Reference number
quartz	≥30 - ≤40	Listed	-
quartz	≤10	Listed	

Mutagen

Ingredient name	%	Status	Reference
			number
sphenol A type epoxy resin intermediate	≥20 - ≤30	Listed	110

Corrosive liquid

: Not listed

Occupational Safety and Health Law

: Inflammable

15. Regulatory information

Regulations on the Prevention of Tetraalkyl Lead Poisoning	: Not listed
Harmful Substances Subject to Obtaining Permission for Manufacturing	: Not listed
Harmful Substances, Prohibited for Manufacturing	: Not listed
ISHL Enforcement Order Appendix 1 - Dangerous Substances	: Inflammable
Lead regulation	: Not listed
Organic solvents poisoning prevention	: Class 2

Poisonous and Deleterious Substances

Ingredient name	%		Reference number
ronylphenol	2.9835	Deleterious	2-1-78-2

Chemical Substances Control Law (CSCL)

Ingredient name	%	Status	Reference number
Solycondensate of 4,4'-isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	≥20 - ≤30	Priority assessment	87
Xylene	≤10	Priority assessment	125
Ethylbenzene	≤10	Priority assessment	50
1,2,4-Trimethylbenzene	≤10	Priority assessment	49
Toluene	≤10	Priority assessment	46
1,3,5-Trimethylbenzene	≤10	Priority assessment	201
Cumene	≤10	Priority assessment	126
Benzene	≤10	Priority assessment	45
Naphthalene	≤10	Priority assessment	76
2,2,4,4,6,6,8,8-Octamethyl- 1,3,5,7,2,4,6,8-tetraoxatetrasilocane	≤10	Monitoring	40

High Pressure Gas Control : Not available. Law

Explosives Control Law

None of the components are listed.

Law concerning prevention : Not available. of pollution of the ocean

Maritime Safety Law

Notification Regulating Transportation of Dangerous Materials by Sea None of the components are listed.

Container class

None of the components are listed.

16. Other information

<u>History</u>	
Date of issue/Date of revision	: 29 August 2024
Date of previous issue	: 6/29/2021
Version	: 9
Prepared by	: EHS
Key to abbreviations	 ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations

Indicates information that has changed from previously issued version.

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