SAFETY DATA SHEET

SIGMACOVER 456 BASE BASE L



Date of issue 13 April 2024

Version 3

1. Product and company identification

Product name	: SIGMACOVER 456 BASE BASE L
Product code	: 00445224
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 : 078 574 2777 number

2. Hazards identification

Hazard statements
Signal word
GHS label elements Hazard pictograms

Product code 00445224	Date of	f issue 13 April 2024 Version	n 3
Product name SIGMACOVER	6 BASE BASE L		
2. Hazards identifi	ation		
	Causes damage to organs. (central ne respiratory organs) Causes damage to organs through pro organs, nervous system, respiratory or Toxic to aquatic life with long lasting ef	olonged or repeated exposure. (hear gans)	ing
Precautionary statements			
Prevention	Obtain special instructions before use. have been read and understood. Wea eye or face protection. Keep away from and other ignition sources. No smoking area. Avoid release to the environmen smoke when using this product. Wash work clothing should not be allowed out	r protective gloves, protective clothin m heat, hot surfaces, sparks, open fl g. Use only outdoors or in a well-ver nt. Do not breathe vapor. Do not ea n thoroughly after handling. Contam	ng and lames ntilated t, drink or
Response	Collect spillage. IF exposed or concern INHALED: Remove person to fresh air POISON CENTER or doctor if you feel immediately all contaminated clothing. with plenty of water. If skin irritation or IF IN EYES: Rinse cautiously with wate lenses, if present and easy to do. Cont medical advice or attention.	and keep comfortable for breathing unwell. IF ON SKIN (or hair): Take Rinse skin with water. IF ON SKIN: rash occurs: Get medical advice or er for several minutes. Remove cont	. Call a off : Wash attention. tact
Storage	Store locked up. Store in a well-ventila	ated place. Keep container tightly clo	osed.
Disposal	Dispose of contents and container in a and international regulations.	ccordance with all local, regional, na	ational
Other hazards which do not result in classification	Prolonged or repeated contact may dry	/ skin and cause irritation.	

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
₽poxy Resin crystalline silica, respirable powder (>10 microns)	20 - <25 15 - <20	SUB110652 14808-60-7	Not available. 1-548
Xylene	15 - <20	1330-20-7	3-3; 3-60
titanium dioxide (excluding nanoparticle) barium sulfate	12.5 - <15 7 - <10	13463-67-7 7727-43-7	1-558; 5-5225 1-89
Talc containing no asbestos or quartz	5 - <7	14807-96-6	Not available.
Epoxy resin (MW ≤ 700) Ethylbenzene	5 - <7 2 - <3	25068-38-6 100-41-4	(7)-1279 3-28; 3-60
isobutyl alcohol	1 - <2	78-83-1	2-3049
Silica silicon dioxide containing crystalline and amorphous	0.1 - <0.2	7631-86-9	1-548
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	0.1 - <0.2	100545-48-0	Not available.

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.

Product name SIGMACOVER 456 BASE BASE L

3. Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

4. First aid measures

Description of necessary	<u>r first aid measures</u>
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 symptom	ns/effects, acute and delayed
Potential acute health e	<u>ffects</u>
Eye contact	: Causes serious eye irritation.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: Causes 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	: Causes damage to organs following a single exposure if swallowed. Can cause central nervous system (CNS) depression.
Over-exposure signs/sy	<u>imptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness 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 r	medical 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	: No specific treatment.
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4. First aid measures

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 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 sulfur 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	: 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.

Methods and materials for containment and cleaning up

6. Accidental release measures

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 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 handling history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe 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
ørystalline silica, respirable powder (≻10 microns) Xylene	Japan Society for Occupational Health (Japan, 9/2022). [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, 9/2022).
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8. Exposure controls/personal protection

		OEL-M: 50 ppm 8 hours. OEL-M: 217 mg/m ³ 8 hours.	
Talc containing no asbestos	or quartz	Japan Society for Occupational (Japan, 9/2022). [Class 1 dusts (Activated
		charcoal, Alumina, Aluminium, E Diatomite, Graphite, Kaolinite, P	
		Pyrites, Pyrite cinder, Talc)]	_
		OEL-M: 0.5 mg/m ³ 8 hours. Form Respirable dust (Class 1 Dust)	1:
		OEL-M: 2 mg/m ³ 8 hours. Form:	Total dust
		(Class 1 Dust)	
Ethylbenzene		Japan Society for Occupational (Japan, 9/2022). Absorbed throu	
		OEL-M: 87 mg/m ³ 8 hours.	gri okin.
		OEL-M: 20 ppm 8 hours.	(
		Industrial Safety and Health Act 6/2020).	(Japan,
		TWA: 20 ppm 8 hours.	
isobutyl alcohol		Japan Society for Occupational	Health
		(Japan, 9/2022). OEL-M: 150 mg/m ³ 8 hours.	
		OEL-M: 50 ppm 8 hours.	
		Industrial Safety and Health Act 6/2020).	(Japan,
		TWA: 50 ppm 8 hours.	
Recommended monitoring	: Reference should be made to appropr		e to
procedures	national guidance documents for meth		
	substances will also be required.		
Appropriate engineering controls	: Use only with adequate ventilation. Us or other engineering controls to keep v below any recommended or statutory keep gas, vapor or dust concentration explosion-proof ventilation equipment.	worker exposure to airborne contami limits. The engineering controls also s below any lower explosive limits. L	nants need to
Environmental exposure	: Emissions from ventilation or work pro		to ensure
controls	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.		
Individual protection measu	ires		
Hygiene measures	: Wash hands, forearms and face thoro		
	eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety		
-	showers are close to the workstation le	ocation.	
Eye protection	: Chemical splash goggles.		
Skin protection	· Chemical-resistant impervious dovos	complying with an approved standay	rd should
Hand protection	: Chemical-resistant, impervious gloves be worn at all times when handling che this is necessary. Considering the par check during use that the gloves are s should be noted that the time to break different for different glove manufactur several substances, the protection tim estimated.	emical products if a risk assessment ameters specified by the glove manu- till retaining their protective propertie through for any glove material may b ers. In the case of mixtures, consist	indicates ufacturer, es. It ee ting of
		Japan	Page: 6/15

8. Exposure controls/personal protection

Gloves	: butyl 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.
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	: Various	
Odor	: Characteristic.	
Boiling point	: >37.78°C (>100°F)	
Flash point	: Closed cup: 25°C (77	°F)
Relative density	: 1.47	
Bulk Density (g/cm³)	: 1.47	
	Media	Result
Solubility(ies)	cold water	Not soluble

10. Stability and r	eactivity
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 sulfur oxides halogenated compounds metal oxide/ oxides

Product name SIGMACOVER 456 BASE BASE L

11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
titanium dioxide (excluding	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours
nanoparticle)			_	
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
barium sulfate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 g/kg	-
Ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
-	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
isobutyl alcohol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours
-	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
Silica silicon dioxide	LD50 Dermal	Rabbit	>5000 mg/kg	-
containing crystalline and				
amorphous				
·	LD50 Oral	Rat - Male,	>5000 mg/kg	-
		Female		
Octadecanoic acid,	LC50 Inhalation Dusts and mists	Rat	5.05 mg/l	4 hours
12-hydroxy-, reaction				
products with				
ethylenediamine				
	LD50 Oral	Rat	>2000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
K ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Epoxy resin (MW ≤ 700)	Eyes - Mild irritant Skin - Mild irritant	Rabbit Rabbit	-	-	-

Sensitization

Product/ingredient name	Route of exposure	Species	Result	
Epoxy resin (MW ≤ 700) Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	skin skin	Mouse Guinea pig	Sensitizing Sensitizing	

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Japan

11. Toxicological information

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
X 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
Ethylbenzene	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
isobutyl alcohol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Silica silicon dioxide containing crystalline and amorphous	Category 3	-	Respiratory tract irritation

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
barium sulfate	Category 1	-	respiratory organs
Talc containing no asbestos or quartz	Category 1	-	respiratory organs
Ethylbenzene	Category 1	-	hearing organs, nervous system
Silica silicon dioxide containing crystalline and amorphous	Category 1	-	immune system, kidneys, respiratory organs

Aspiration hazard

Name	Result
▼ ylene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely : Not available. routes of exposure Potential acute health effects **Eye contact** : Causes serious eye irritation. Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. **Skin contact**

- : Causes 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 : Causes damage to organs following a single exposure if swallowed. Can cause central nervous system (CNS) depression.

Symptoms related to the physical, 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: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness 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

available.	
available.	
available.	
available.	
ated contact can defat the skin and lead to ir e sensitized, a severe allergic reaction may o	ritation, cracking and/or dermatitis.
cause cancer. Risk of cancer depends on d	uration and level of exposure.
nown significant effects or critical hazards.	
damage fertility or the unborn child.	
: Not a : Not a : Not a : Not a : Not a : Caus repe Once to ve : May : No k	

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)
SIGMACOVER 456 BASE BASE L	32193.6	4306.9	N/A	39.8	N/A
Xylene	4300	1700	N/A	11	N/A
barium sulfate	N/A	2500	N/A	N/A	N/A
Epoxy resin (MW ≤ 700)	2500	2500	N/A	N/A	N/A
Ethylbenzene	3500	17800	N/A	17.8	N/A
isobutyl alcohol	2830	2460	N/A	11	N/A
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	2500	N/A	N/A	N/A	5.05
				lapan	Page: 10/15

11. Toxicological information

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Other 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

Toxicity

Product/ingredient name	Result	Species	Exposure
Manium dioxide (excluding nanoparticle)	Acute LC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
Epoxy resin (MW ≤ 700)	Acute LC50 1.8 mg/l	Daphnia	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
Ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
isobutyl alcohol	Acute EC50 1100 mg/l	Daphnia	48 hours
Silica silicon dioxide	Acute EC50 2.2 g/L Fresh water	Daphnia - Daphnia magna -	48 hours
containing crystalline and		Neonate	
amorphous			
	Acute LC50 >10000 mg/l	Fish	96 hours
	Chronic NOEC 12.5 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> -	21 days
	-	Neonate	-
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
,	Acute EC50 >10 mg/l	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >10 mg/l	Fish - Oncorhynchus mykiss	96 hours

Persistence/degradability

Product/ingredient name	Test	Result		Dose		Inoculum
Poxy resin (MW ≤ 700) Ethylbenzene Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	OECD 301F - 301D Ready Biodegradability - Closed Bottle Test	22 % - 28 0	dily - 10 days	- -		
Product/ingredient name	Aquatic half-life		Photolysis		Biode	gradability
Yylene Epoxy resin (MW ≤ 700) Ethylbenzene Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine			-		Readil Not rea Readil Inhere	adily y

Bioaccumulative potential

Product code	00445224
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12. Ecological information

Product/ingredient name	LogPow	BCF	Potential	
Vlene	3.12	7.4 to 18.5	Low	
Epoxy resin (MW ≤ 700)	3	31	Low	
Ethylbenzene	3.6	79.43	Low	
isobutyl alcohol	1	-	Low	
Octadecanoic acid,	>5.86	-	High	
12-hydroxy-, reaction			Ū.	
products with				
, ethylenediamine				

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

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.

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	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

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Product code 00445224 Product name SIGMACOVER 456 BASE BASE L		Date of issue 13 April 2024	Version 3
14. Trar	nsport information		
UN	: This class 3 viscous liquid is not s 2.3.2.5.1.	subject to regulation in packagings up to 450) L according to
IMDG	: This class 3 viscous liquid is not s 2.3.2.5.	subject to regulation in packagings up to 450) L according to
IATA	: None identified.		
	cautions for user : Transport within u	iser's premises: always transport in closed Ensure that persons transporting the produc dent or spillage.	

Transport in bulk according : Not applicable. to IMO instruments

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	%		Reference number
<mark>K</mark> ylene	17	Class 1	80
Ethylbenzene	3.0	Class 1	53

Industrial Safety and Health Act

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

Ingredient name	%		Reference number
E thyl benzene		Group-2 Substances under Supervision	3-3

Substance(s) requiring labelling

Ingredient name	%	Status	Reference number
Xylene	≥10 - ≤20	Listed	165-2
	≥10 - ≤20	Listed	136
	≥10 - ≤20	Listed	191
	≤10	Listed	70
	≤10	Listed	477

Chemicals requiring notification

Ingredient name	%	Status	Reference number
Xylene	≥10 - ≤20	Listed	165-2
	≥10 - ≤20	Listed	136
	≥10 - ≤20	Listed	191
	≤10	Listed	70
	≤10	Listed	477

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

15. Regulatory information

None of the components are listed.

Mutagen

None of the components are listed.

Corrosive liquid	: Not listed
Occupational Safety and Health Law	: Inflammable
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

None of the components are listed.

Chemical Substances Control Law (CSCL)

Ingredient name	%		Reference number
X ylene	≥10 - ≤20	Priority assessment	125
Ethylbenzene	≤10	Priority assessment	50
Toluene	≤10	Priority assessment	46
Benzene	≤10	Priority assessment	45

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.

JSOH Carcinogen : Group 1

Industrial Waste Japan inventory : At least

: At least one component is not listed.

Road law : Not available.

16. Other information

<u>History</u>	
Date of issue/Date of revision	: 13 April 2024
Date of previous issue	: 8/25/2022
Version	: 3
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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