SAFETY DATA SHEET

AMERCOAT 253 BASE GRAY



Date of issue 5 February 2024

Version 14

1. Product and company identification

Product name	: AMERCOAT 253 BASE GRAY	
Product code	: 00280648	
Product type	duct type : Liquid.	
<u>Relevant identified uses o</u> Product use	of the substance or mixture and uses advised against : 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

2. Hazards identification

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. Use only outdoors or in a well-ventilated area. 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: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. 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 result in classification	:	Prolonged or repeated contact may dry skin and cause irritation. Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C (140F).

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
Phenol, polymer with formaldehyde, glycidyl ether (MW<=700)	25 - <50	28064-14-4	7-1285
titanium dioxide (excluding nanoparticle)	15 - <20	13463-67-7	1-558; 5-5225
barium sulfate	7 - <10	7727-43-7	1-89
methyl isobutyl ketone	7 - <10	108-10-1	2-542
Methyl n-pentyl ketone	7 - <10	110-43-0	2-542
Polycondensate of 4,4'-isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	2 - <3	25068-38-6	7-1283
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	2 - <3	9003-36-5	7-1285
carbon black	0.5 - <1	1333-86-4	5-3328; 5-5222
Xylene	0.5 - <1	1330-20-7	3-3; 3-60
1-Butanol	0.2 - <0.5	71-36-3	2-3049
Silica silicon dioxide containing crystalline and amorphous	0.1 - <0.2	7631-86-9	1-548
crystalline silica (quartz)	0.1 - <0.2	14808-60-7	1-548
Ethylbenzene	0.1 - <0.2	100-41-4	3-28; 3-60

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.

3. Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

4. First aid measures

Description of necessary first aid measures

Eye contact Inhalation		Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. 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	1	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	ets, acute and delayed
Potential acute health effect	<u>cts</u>	
Eye contact	1	Causes serious eye irritation.
Inhalation	:	Harmful if inhaled.
Skin contact	1	Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	1	No known significant effects or critical hazards.
Over-exposure signs/symp	oton	<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	<u>lica</u>	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)

4. First aid measures

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 Formaldehyde.
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, protect	tive 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 co	ntainment 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.

6. Accidental release measures

Large spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and
explosion-proof equipment. Approach 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 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
methyl isobutyl ketone	Japan Society for Occupational Health
	(Japan, 9/2022).
	OEL-M: 205 mg/m ³ 8 hours.
	OEL-M: 50 ppm 8 hours.
	Industrial Safety and Health Act (Japan,
	6/2020).
	TWA: 20 ppm 8 hours.
Xylene	Industrial Safety and Health Act (Japan,
-	6/2020). [xylene]
	TWA: 50 ppm 8 hours.
	Japan Society for Occupational Health
	(Japan, 9/2022).
	OEL-M: 50 ppm 8 hours.
	OEL-M: 217 mg/m ³ 8 hours.
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8. Exposure controls/personal protection

1-Butanol		Japan Society for Occupational Health
		(Japan, 9/2022). Absorbed through skin. OEL-C: 150 mg/m ³ OEL-C: 50 ppm Industrial Safety and Health Act (Japan, 6/2020).
crystalline silica (quartz)		TWA: 25 ppm 8 hours. Japan Society for Occupational Health (Japan, 9/2022). [Respirable crystalline
Ethylbenzene		silica] OEL-C: 0.03 mg/m ³ Form: Respirable dust Japan Society for Occupational Health (Japan, 9/2022). 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 procedures	: Reference should be made to appropri- national guidance documents for meth substances will also be required.	iate monitoring standards. Reference to ods for the determination of hazardous
Appropriate engineering controls	or other engineering controls to keep v below any recommended or statutory l	se process enclosures, local exhaust ventilation vorker exposure to airborne contaminants imits. The engineering controls also need to s below any lower explosive limits. Use
Environmental exposure controls	they comply with the requirements of e	cess equipment should be checked to ensure environmental protection legislation. In some eering modifications to the process equipment to acceptable levels.
Individual protection measu	<u>res</u>	
Hygiene measures	eating, smoking and using the lavatory Appropriate techniques should be used Contaminated work clothing should no	d to remove potentially contaminated clothing. t be allowed out of the workplace. Wash Ensure that eyewash stations and safety
Eye protection	: Chemical splash goggles.	
Skin 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.	
Gloves	: butyl rubber	
Body protection	being performed and the risks involved	

8. Exposure controls/personal protection

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: 32°C (89.6°F)		
Relative density	: 1.42		
Solubility(ies)	Media	Result	
	cold 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 sulfur oxides halogenated compounds Formaldehyde. metal oxide/oxides

11. Toxicological information

Information on toxicological effects **Acute toxicity**

11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
iitanium 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	-
barium sulfate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
methyl isobutyl ketone	LC50 Inhalation Vapor	Rat	11 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	2.08 g/kg	-
Methyl n-pentyl ketone	LC50 Inhalation Vapor	Rat	16.7 mg/l	4 hours
	LD50 Dermal	Rabbit	10.206 g/kg	-
	LD50 Oral	Rat	1.6 g/kg	-
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	-
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	LD50 Oral	Rat	>10000 mg/kg	-
carbon black	LD50 Oral	Rat	>10 g/kg	-
Xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
1-Butanol	LC50 Inhalation Vapor	Rat	24000 mg/m ³	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-
Silica silicon dioxide containing crystalline and amorphous	LD50 Dermal	Rabbit	>5000 mg/kg	-
amorphous	LD50 Oral	Rat - Male,	>5000 mg/kg	
		Female	- JUUU IIIg/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	-
		ivat	5.5 y/ky	-

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	-
Xylene	Skin - Moderate irritant	Rabbit	-	mg 24 hours 500 mg	-

Sensitization

11. Toxicological information

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

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
methyl isobutyl ketone	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Methyl n-pentyl ketone	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Xylene	Category 1	-	central nervous system (CNS), kidneys, liver,
	Category 3		respiratory organs Narcotic effects
1-Butanol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Silica silicon dioxide containing crystalline and amorphous	Category 3	-	Respiratory tract irritation
Ethylbenzene	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Manium dioxide (excluding nanoparticle)	Category 1	-	respiratory organs
barium sulfate	Category 1	-	respiratory organs
methyl isobutyl ketone	Category 1	-	central nervous system (CNS)
carbon black	Category 1	-	respiratory organs
Xylene	Category 1	-	nervous system, respiratory organs
1-Butanol	Category 1	-	central nervous system (CNS), hearing organs
Silica silicon dioxide containing crystalline and amorphous	Category 1	-	immune system, kidneys, respiratory organs
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crystalline silica (quartz)			Category 1		immune system, kidneys,	
Ethylbenzene			Category 1 - hearing org nervous sys			
Aspiration hazard						
Name				Result		
<mark>X</mark> ylene Ethylbenzene					N HAZARD - Category 1 N HAZARD - Category 1	
nformation on the likely outes of exposure	:	Not available.				
Potential acute health effect	cts					
Eye contact		Causes serious eye irritat	ion.			
Inhalation	: Harmful if inhaled.					
Skin contact	:		efatting to the	skin. May ca	use an allergic skin reaction.	
Ingestion	:	No known significant effe	•	•	5	
Symptoms related to the p	<u>hys</u>	ical, chemical and toxico	logical chara	<u>icteristics</u>		
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness					
Inhalation	:	Adverse symptoms may i reduced fetal weight increase in fetal deaths skeletal malformations	nclude the fol	lowing:		
Skin contact	:	Adverse symptoms may i irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations	nclude the fol	lowing:		
Ingestion	:	Adverse symptoms may i reduced fetal weight increase in fetal deaths skeletal malformations	nclude the fol	lowing:		
Delayed and immediate effe	<u>cts</u>	and also chronic effects	from short a	nd long term	exposure	
<u>Short term exposure</u>						
Potential immediate effects	1	Not available.				
Potential delayed effects	:	Not available.				
Long term exposure Potential immediate effects	:	Not available.				
Potential delayed effects		Not available.				
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11 Toxicological information

II. Ioxioologiou	
General	: Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
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)
MERCOAT 253 BASE GRAY	10620.4	10277.5	N/A	15.7	N/A
barium sulfate	N/A	2500	N/A	N/A	N/A
methyl isobutyl ketone	2080	N/A	N/A	3	N/A
Methyl n-pentyl ketone	1600	10206	N/A	16.7	N/A
Polycondensate of 4,4'-isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	2500	2500	N/A	N/A	N/A
Xylene	4300	1700	N/A	11	N/A
1-Butanol	N/A	3400	N/A	24	N/A
Ethylbenzene	3500	17800	N/A	17.8	N/A

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. Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C (140F). Avoid contact with skin and clothing.

12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
inanium dioxide (excluding nanoparticle)	Acute LC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
methyl isobutyl ketone	Acute LC50 >179 mg/l	Fish	96 hours
Methyl n-pentyl ketone	Acute LC50 131 mg/l	Fish	96 hours
Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	Chronic NOEC 0.3 mg/l	Daphnia	21 days
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Acute LC50 2.54 mg/l	Fish	96 hours
1-Butanol	Acute LC50 1376 mg/l	Fish	96 hours
Silica silicon dioxide containing crystalline and amorphous	Acute EC50 2.2 g/L Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 >10000 mg/l	Fish	96 hours
	Chronic NOEC 12.5 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
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12. Ecological inf	ormation				
Ethylbenzene		3 mg/l Fresh water 1 mg/l Fresh water	Daphnia Daphnia - <i>Ceriodap</i>	hnia dubia	48 hours -
Persistence/degradability					
Product/ingredient name	Test	Result	Dose	Ino	culum
Methyl isobutyl ketone Methyl n-pentyl ketone Polycondensate of 4.4'-	OECD 301F OECD 310	83 % - Readily - 2 69 % - Readily - 2 5 % - 28 days			

Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only) Ethylbenzene	OECD 301F	5 % - 28 da 79 % - Rea	ays adily - 10 days	-		-
Product/ingredient name	Aquatic half-life	•	Photolysis		Biodeg	ıradability
Methyl isobutyl ketone Methyl n-pentyl ketone Polycondensate of 4,4'- isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)			-		Readily Readily Not rea	/
Xylene Ethylbenzene	-		-		Readily Readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential	
methyl isobutyl ketone	1.9	-	Low	
Methyl n-pentyl ketone	2.26	-	Low	
Polycondensate of 4,4'-	2.64 to 3.78	31	Low	
isopropylidenediphenol and				
1-chloro-2,3-epoxypropane (liquid only)				
Formaldehyde, oligomeric	2.7		Low	
reaction products with	2.1	-	Low	
1-chloro-2,3-epoxypropane				
and phenol				
Xylene	3.12	7.4 to 18.5	Low	
1-Butanol	1	-	Low	
Ethylbenzene	3.6	79.43	Low	

Mobility in soil

: Not available.

Soil/water partition coefficient (K_{oc}) Mobility

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

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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	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Phenol, polymer with formaldehyde, glycidyl ether (MW<=700))	Not applicable.

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

pecial 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 00280648

Product name AMERCOAT 253 BASE GRAY

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
Methyl isobutyl ketone	8.4	Class 1	737

Industrial Safety and Health Act

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

Ingredient name	%		Reference number
Methyl isobutyl ketone	≤10	Special Organic Solvents	33-2

Substance(s) requiring labelling

Ingredient name	%	Status	Reference number
Interview (IV) oxide	≥10 - ≤20	Listed	191
Methyl isobutyl ketone	≤10	Listed	569
Methyl n-pentyl ketone	≤10	Listed	586
Xylene	≤10	Listed	136
Crystalline silica	≤10	Listed	165-2
Ethylbenzene	≤10	Listed	70

Chemicals requiring notification

Ingredient name	%	Status	Reference number
Interview IT with the second seco	≥10 - ≤20	Listed	191
Methyl isobutyl ketone	≤10	Listed	569
Methyl n-pentyl ketone	≤10	Listed	586
Carbon black	≤10	Listed	130
Xylene	≤10	Listed	136
Butanol	≤10	Listed	477
Crystalline silica	≤10	Listed	165-2
Ethylbenzene	≤10	Listed	70

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

None of the components are listed.

<u>Mutagen</u>

Ingredient name	%	Status	Reference
			number
sphenol A type epoxy resin intermediate	≤10	Listed	110

Corrosive liquid

: Not listed

Occupational Safety and Health Law

: Inflammable

15. Regulatory information

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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	: Not applicable.

Poisonous and Deleterious Substances

None of the components are listed.

Chemical Substances Control Law (CSCL)

Ingredient name	%	Status	Reference number
Methyl isobutyl ketone	≤10	Priority assessment	116
Polycondensate of 4,4'-isopropylidenediphenol and 1-chloro-2,3-epoxypropane (liquid only)	≤10	Priority assessment	87
1,2,4-Trimethylbenzene	≤10	Priority assessment	49
Xylene	≤10	Priority assessment	125
1-Butanol	≤10	Priority assessment	124
Ethylbenzene	≤10	Priority assessment	50
1,3,5-Trimethylbenzene	≤10	Priority assessment	201
Cumene	≤10	Priority assessment	126
Toluene	≤10	Priority assessment	46
Naphthalene	≤10	Priority assessment	76
Benzene	≤10	Priority assessment	45
2,2,4,4,6,6,8,8,10,10,12,12-Dodecamethyl- 1,3,5,7,9,11-hexaoxa-2,4,6,8,10,12-hexasilacyclododecane	≤10 e	Monitoring	41
2,2,4,4,6,6,8,8-Octamethyl- 1,3,5,7,2,4,6,8-tetraoxatetrasilocane	≤10	Monitoring	40
Epichlorohydrin	≤10	Priority assessment	22

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

15. Regulatory information

None of the components are listed.

Road law	: Not available.
Japan inventory	: At least one component
Industrial Waste	
List of Specially Controlled	: Not listed
JSOH Carcinogen	: Group 1

16. Other information

<u>History</u>	
Date of issue/Date of revision	: 5 February 2024
Date of previous issue	: 6/28/2021
Version	: 14
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

is not listed.

✓ Indicates information that has changed from previously issued version.

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