SAFETY DATA SHEET

SIGMASHIELD 880 BASE BLACK RAL 9005



Date of issue 15 May 2024

Version 7

mixture

Uses advised against

1. Product and company identification

: Not applicable.

Product name	: SIGMASHIELD 880 BASE BLACK RAL 9005		
Product code	: 00376445		
Product type	: Liquid.		
Relevant identified uses of the substance or mixture and uses advised against			
Product use	: Professional applications, Used by spraying.		
Use of the substance/	: Coating.		

652-0803 Japan; Tel: +81-78-574-2777

Supplier's details	: PPG PMC Japan Co., Ltd., 8F, Shintetsu Bldg., 1-1, Daikaidori 1-chome, Kobe

Emergency telephone	: 078 574 2777
number	

2. Hazards identification

GHS Classification	: FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 2 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 2 HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD - Category 2
GHS label elements Hazard pictograms	
Signal word	: Danger
Hazard statements	 Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs. (central nervous system (CNS), kidneys, liver,

2. Hazards identification			
		respiratory organs) Causes damage to organs through prolonged or repeated exposure. (hearing organs, nervous system, respiratory organs) 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. Immediately call a POISON CENTER or doctor.	
Storage	:	Store locked up.	
Disposal	1	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.	

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
vystalline silica, respirable powder (>10 microns) bis-[4-(2,3-epoxipropoxi)phenyl]propane	20 - <25 20 - <25	14808-60-7 1675-54-3	1-548 4-209; 7-1279; 7-1283
Talc (containing no asbestos or quartz) Ethyl Benzene	15 - <20 3 - <5	14807-96-6 100-41-4	Not available. 3-28; 3-60
Epoxy Resin (700 <mw<=1100) Xylene</mw<=1100) 	3 - <5 3 - <5	25036-25-3 1330-20-7	Not available. 3-3; 3-60
Phenol, methylstyrenated	3 - <5	68512-30-1	Not available.
isobutyl alcohol 2,3-epoxypropyl neodecanoate	3 - <5 1 - <2	78-83-1 26761-45-5	2-3049 2-637
Octadecanamide, N,N'-1,6-hexanediylbis [12-hydroxy-	1 - <2	55349-01-4	2-3055
carbon black	0.5 - <1	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.

4. First aid measures

Description of necess	ary first aid measures
Eye contact	 Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use 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 symp	toms/effects, acute and delayed

Potential acute health effe	
Eye contact	: Causes serious eye damage.
Inhalation	No known significant effects or critical hazards.
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.
Over-exposure signs/sym	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: pain 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: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
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)

Version 7

4. First aid measures

5. Fire-fighting measures

<u>Extinguishing media</u>	
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 nitrogen oxides 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

contractor.

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. Do not breathe 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				
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			

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	
vystalline silica, respirable powder (>10 microns)	Japan Society for Occupational Health (Japan, 5/2023). [Respirable crystalline silica]	
Talc (containing no asbestos or quartz)	OEL-C: 0.03 mg/m ³ Form: Respirable dust 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)	
Ethyl Benzene	Japan Society for Occupational Health	
	Japan Page: 5/1	

Product code 00376445		Date of issue 15 May 2024	Version 7		
L	Product name SIGMASHIELD 880 BASE BLACK RAL 9005 8. Exposure controls/personal protection				
Xylene isobutyl alcohol	• •	(Japan, 5/2023). Absorbe OEL-M: 87 mg/m ³ 8 hour OEL-M: 20 ppm 8 hours. Industrial Safety and Hea 6/2020). TWA: 20 ppm 8 hours. Industrial Safety and Hea 6/2020). [xylene] TWA: 50 ppm 8 hours. Japan Society for Occup (Japan, 5/2023). OEL-M: 50 ppm 8 hours. OEL-M: 217 mg/m ³ 8 hou Japan Society for Occup (Japan, 5/2023). OEL-M: 150 mg/m ³ 8 hou OEL-M: 50 ppm 8 hours. Industrial Safety and Hea 6/2020). TWA: 50 ppm 8 hours.	alth Act (Japan, alth Act (Japan, alth Act (Japan, pational Health urs. pational Health urs.		
Recommended monitoring procedures	: Reference should be made to ap national guidance documents for substances will also be required.	methods for the determination of			
Appropriate engineering controls	below any recommended or stat	keep worker exposure to airborne utory limits. The engineering cont rations below any lower explosive	contaminants rols also need to		
Environmental exposure controls		ts of environmental protection legi engineering modifications to the p	slation. In some		
Individual protection measured	<u>lres</u>				
Hygiene measures	Appropriate techniques should b Contaminated work clothing sho	vatory and at the end of the working e used to remove potentially conta uld not be allowed out of the work using. Ensure that eyewash statio	ng period. aminated clothing. place. Wash		
Eye protection	: Chemical splash goggles and fac	ce shield.			
Skin protection	Chomical registent importions	vlovoo oompluing with on one-revor	h atandard abauld		
Hand protection	this is necessary. Considering the check during use that the gloves should be noted that the time to different for different glove manual different for differ	gloves complying with an approved ng chemical products if a risk asse ne parameters specified by the glo are still retaining their protective p breakthrough for any glove materi ifacturers. In the case of mixtures on time of the gloves cannot be ac	essment indicates ove manufacturer, oroperties. It al may be s, consisting of		
Gloves	: 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

Appearance			
Physical state	: Liquid.		
Color	: Black.		
Odor	: Aromatic.		
Boiling point	: >37.78°C (>100°F)		
Flash point	: Closed cup: 29°C (84	.2°F)	
Relative density	: 1.3		
Solubility/ico)	Media	Result	
Solubility(ies)	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 nitrogen oxides metal oxide/oxides

11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
øís-[4-(2,3-epoxipropoxi)	LD50 Dermal	Rabbit	23000 mg/kg	-
phenyl]propane				
	LD50 Oral	Rat	15000 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	-
Epoxy Resin (700 <mw< td=""><td>LD50 Dermal</td><td>Rat</td><td>>2000 mg/kg</td><td>-</td></mw<>	LD50 Dermal	Rat	>2000 mg/kg	-
<=1100)				
,	LD50 Oral	Rat	>2000 mg/kg	-
Xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
Phenol, methylstyrenated	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/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	-
2,3-epoxypropyl	LD50 Dermal	Rat	3800 mg/kg	-
neodecanoate				
	LD50 Oral	Rat	9.6 g/kg	-
carbon black	LD50 Oral	Rat	>10 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Eyes - Redness of the conjunctivae	Rabbit	0.4	24 hours	-
	Skin - Edema	Rabbit	0.5	4 hours	-
	Skin - Erythema/Eschar	Rabbit	0.8	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-
Xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

•	Route of exposure	Species	Result
bis-[4-(2,3-epoxipropoxi) phenyl]propane	skin	Mouse	Sensitizing

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

11. Toxicological information

Name	Category	Route of exposure	Target organs
✓alc (containing no asbestos or quartz)	Category 1	-	respiratory organs
Ethyl Benzene	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Xylene	Category 1	-	central nervous system (CNS), kidneys, liver,
	O a ta ma mu D		respiratory organs
	Category 3		Narcotic effects
isobutyl alcohol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
ralc (containing no asbestos or quartz) Ethyl Benzene	Category 1 Category 1	-	respiratory organs hearing organs, nervous system
Xylene	Category 1	-	nervous system, respiratory organs
carbon black	Category 1	-	respiratory organs

Aspiration hazard

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	: Not available.
Potential acute health effects	
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
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.
Eye contact	 sical, chemical and toxicological characteristics Adverse symptoms may include the following: pain watering redness Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Product code 00376445 Product name SIGMASHIELE	Date of issue 15 May 2024Version 70 880 BASE BLACK RAL 9005
11. Toxicological	information
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations
	cts 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>ects</u>
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	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
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)
SIGMASHIELD 880 BASE BLACK RAL 9005	28928.5	10854.8	N/A	83.8	N/A
bis-[4-(2,3-epoxipropoxi)phenyl]propane	15000	23000	N/A	N/A	N/A
Ethyl Benzene	3500	17800	N/A	17.8	N/A
Epoxy Resin (700 <mw<=1100)< td=""><td>2500</td><td>2500</td><td>N/A</td><td>N/A</td><td>N/A</td></mw<=1100)<>	2500	2500	N/A	N/A	N/A
Xylene	4300	1700	N/A	11	N/A
Phenol, methylstyrenated	2500	2500	N/A	N/A	N/A
isobutyl alcohol	2830	2460	N/A	11	N/A
2,3-epoxypropyl neodecanoate	9600	3800	N/A	N/A	N/A

Other information

:

Product code 00376445

Product name SIGMASHIELD 880 BASE BLACK RAL 9005

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
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Acute LC50 1.8 mg/l Fresh water	Daphnia - <i>daphnia magna</i>	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	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	-
isobutyl alcohol	Acute EC50 1100 mg/l	Daphnia	48 hours
2,3-epoxypropyl neodecanoate	Acute EC50 3.5 mg/l	Algae	96 hours
	Acute EC50 4.8 mg/l	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 9.6 mg/l	Fish - Oncorhynchus mykiss	96 hours

Persistence/degradability

Product/ingredient name	Test	Result	Result			Inoculum
Ethyl Benzene	-	79 % - Re	79 % - Readily - 10 days			-
Product/ingredient name	Aquatic ha	alf-life	Photolysis		Biodeg	adability
bis-[4-(2,3-epoxipropoxi) phenyl]propane Ethyl Benzene	-		-		Not read	dily
Xylene 2,3-epoxypropyl neodecanoate	-		-		Readily Not read	dily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Ethyl Benzene	3.6	79.43	Low
Xylene	3.12	7.4 to 18.5	Low
Phenol, methylstyrenated	3.627	-	Low
isobutyl alcohol	1	-	Low
2,3-epoxypropyl	4.4	-	High
neodecanoate			

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
UN1263	UN1263	UN1263
PAINT	PAINT	PAINT
3	3	3
		III
No.	No.	No.
Not applicable.	Not applicable.	Not applicable.
	UN1263 PAINT 3 III No.	UN1263UN1263PAINTPAINT33IIIIIINo.No.

Additional information

UN	: None identified.
IMDG	: None identified.
ΙΑΤΑ	: None identified.

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

15. Regulatory information

Fire Service Law

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

Pollutant Release and Transfer Registers (PRTR)

Japan Page: 12/15

Product code 00376445		ate of issue 15 May 2024	Version 7
Product name SIGMASHIELD 880 BASE BLACK F	RAL 9005		
15. Regulatory information			
Ingredient name	%	Status	Reference number
₽ thylbenzene Xylene	5.0 4.1	Class 1 Class 1	53 80

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
	≥20 - ≤30	Listed	165-2
Ethylbenzene	≤10	Listed	70
Xylene	≤10	Listed	136
Butanol	≤10	Listed	477

Chemicals requiring notification

Ingredient name	%		Reference number
Ethylbenzene	≥20 - ≤30	Listed	165-2
	≤10	Listed	70
Xylene	≤10	Listed	136
Butanol	≤10	Listed	477
Carbon black	≤10	Listed	130

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

Ingredient name	%		Reference number
g uartz	≥20 - ≤30	Listed	-

<u>Mutagen</u>

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

15. Regulatory information

ISHL Enforcement Order	: Inflammable
Appendix 1 - Dangerous	
Substances	
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	%	Status	Reference number
Polycondensate of 4,4'-isopropylidenediphenol and	≥20 - ≤30	Priority assessment	87
1-chloro-2,3-epoxypropane (liquid only)			
Ethylbenzene	≤10	Priority assessment	50
Xylene	≤10	Priority assessment	125
Toluene	≤10	Priority assessment	46
Phenol	≤10	Priority assessment	62
Isopropenylbenzene	≤10	Priority assessment	48
2,2,4,4,6,6,8,8-Octamethyl-	≤10	Monitoring	40
1,3,5,7,2,4,6,8-tetraoxatetrasilocane		_	
Benzene	≤10	Priority assessment	45
Cumene	≤10	Priority assessment	126
Acetaldehyde	≤10	Priority assessment	26
Formaldehyde	≤10	Priority assessment	25
Ethylene oxide	≤10	Priority assessment	19
1,4-Dioxane	≤10	Priority assessment	80
Chloromethane	≤10	Priority assessment	6

High Pressure Gas Control : Not available. Law

Explosives Control Law

None of the components are listed.

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Law concerning prevention : Not available.
of pollution of the ocean
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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	
List of Specially Controlled Industrial Waste	: Not listed	
Japan inventory	: All components are listed or exempted	ed.
Road law	: Not available.	

16. Other information

<u>History</u>	
Date of issue/Date of revision	: 15 May 2024
Date of previous issue	: 12/20/2023
Version	: 7
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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