SAFETY DATA SHEET



Date of issue/Date of revision 17 May 2024 Version 1

Section 1. Identification	
Product name	: SIGMASHIELD 880 GF BASE GREY 5177
Product code	: 000001190004
Other means of identification	: 00446825
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/ mixture	: Coating.
Uses advised against	: Not applicable.
Manufacturer	: PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272
Emergency telephone number	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)
Technical Phone Number	: 888-977-4762

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 2% (oral), 30.4% (dermal), 66% (inhalation)

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Section 2. Hazards identification

This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

	engineering controls (see Section 8).
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	 Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. (lungs)
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 explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: 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. Wash contaminated clothing before reuse. 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. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: 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. Wash thoroughly after handling. Emits toxic fumes when heated.

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Section 2. Hazards identification

Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

- Substance/mixture
- : Mixture

: 00446825

: SIGMASHIELD 880 GF BASE GREY 5177

Other means of identification

Product name

% Ingredient name CAS number bis-[4-(2,3-epoxipropoxi)phenyl]propane ≥20 - ≤50 1675-54-3 Talc, not containing asbestiform fibres ≥10 - ≤20 14807-96-6 barium sulfate ≥5.0 - ≤9.9 7727-43-7 xylene ≥1.0 - ≤6.7 1330-20-7 titanium dioxide ≥1.0 - ≤5.0 13463-67-7 Epoxy Resin (700<MW<=1100) ≥1.0 - ≤5.0 25036-25-3 Phenol, methylstyrenated ≥1.0 - ≤5.0 68512-30-1 2-methylpropan-1-ol ≥0.10 - ≤2.6 78-83-1 65997-17-3 glass, oxide, chemicals ≥1.0 - ≤5.0 oxirane, mono[(C12-14-alkyloxy)methyl] derivs. ≥1.0 - ≤5.0 68609-97-2 12-hydroxyoctadecanoic acid, reaction products with ≤1.4 220926-97-6 1,3-benzenedimethanamine and hexamethylenediamine ethylbenzene <1.0 100-41-4

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

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Section 4. First aid measures

Potential acute health effect	<u>ets</u>
Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	<u>itoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
Indication of immediate med	lical 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)

Section 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. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

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Section 5. Fire-fighting measures

Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen 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.

Section 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).
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.
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.

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Section 7. Handling and storage

Precautions for safe handling

Protective measures	: 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 this product is used. Avoid exposure - obtain special instructions before use. 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. 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.
Special precautions	: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: 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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
bis-[4-(2,3-epoxipropoxi)phenyl]propane	None.
Talc , not containing asbestiform fibres	ACGIH TLV (United States, 7/2023).
	TWA: 2 mg/m ³ 8 hours. Form: Respirable
	OSHA PEL Z3 (United States).
	TWA: 2 mg/m³
barium sulfate	ACGIH TLV (United States, 7/2023).
	TWA: 5 mg/m ³ 8 hours. Form: Inhalable
	fraction
	OSHA PEL (United States, 5/2018).
	TWA: 5 mg/m ³ 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m³ 8 hours. Form: Total dust
	United States Page: 6/19

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Section 8. Exposure controls/personal protection

xylene	OSHA PEL (United States, 5/2018).
	[Xylenes]
	TWA: 435 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
	ACGIH TLV (United States, 7/2023). [p-
	xylene and mixtures containing p-xylene]
	Ototoxicant.
	TWA: 20 ppm 8 hours.
titanium dioxide	OSHA PEL (United States, 5/2018).
	TWA: 15 mg/m ³ 8 hours. Form: Total dust
	0
	ACGIH TLV (United States, 7/2023).
	TWA: 2.5 mg/m ³ 8 hours. Form: respirable
	fraction, finescale particles
Epoxy Resin (700 <mw<=1100)< td=""><td>None.</td></mw<=1100)<>	None.
Phenol, methylstyrenated	
2-methylpropan-1-ol	ACGIH TLV (United States, 7/2023).
	TWA: 152 mg/m³ 8 hours.
	TWA: 50 ppm 8 hours.
	OSHA PEL (United States, 5/2018).
	TWA: 300 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
glass, oxide, chemicals	ACGIH TLV (United States).
	TWA: 1 f/cc Form: Continuous filament glass
	fibers
	TWA: 5 mg/m³, (Inhalable) Form:
	Continuous filament glass fibers
	TWA: 3 mg/m³ Form: Respirable
	TWA: 10 mg/m ³ Form: Total dust
	OSHA PEL (United States).
	TWA: 15 mg/m ³
	TWA: 5 mg/m³ Form: Respirable
	TWA: 15 mg/m ³ Form: Total dust
	ACGIH TLV (United States, 7/2023).
	[Continuous filament glass fibers]
	TWA: 5 mg/m ³ 8 hours. Form: Inhalable
	fraction
	TWA: 1 f/cc 8 hours. Form: Respirable fibers:
	length greater than 5 uM; aspect ratio equal to
	or greater than 3:1 as determined by the
	membrane filter method at 400-450X
	magnification (4-mm objective) phase contrast
	illumination.
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	None.
12-hydroxyoctadecanoic acid, reaction products with	ACGIH TLV (United States).
1,3-benzenedimethanamine and hexamethylenediamine	
	TWA: 10 mg/m ³ Form: Inhalable particle
	TWA: 3 mg/m³, (inhalable dust) Form:
	Respirable particle
ethylbenzene	ACGIH TLV (United States, 7/2023).
	Ototoxicant.
	TWA: 20 ppm 8 hours.
	OSHA PEL (United States, 5/2018).

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Section 8. Exposure controls/personal protection

TWA: 435 mg/m³ 8 hours

1			A: 435 mg/m³ 8 hours.
		TW	A: 100 ppm 8 hours.
	Key to abbreviations		
C=Ceiling LimitF=FumeIPEL=Internal Permissible ExpoOSHA=Occupational Safety andR=RespirableZ=OSHA 29 CFR 1910.120	eak Governmental Industrial Hygienists. osure Limit Health Administration. 10 Subpart Z - Toxic and Hazardous Substances	S SR SS STEL TD TLV TWA	 Potential skin absorption Respiratory sensitization Skin sensitization Short term Exposure limit values Total dust Threshold Limit Value Time Weighted Average
Consult local authorities for a			
Recommended monitoring procedures	: Reference should be made to appropr guidance documents for methods for t also be required.		
Appropriate engineering controls Environmental exposure controls	 other engineering controls to keep wor recommended or statutory limits. The vapor or dust concentrations below an ventilation equipment. Emissions from ventilation or work pro they comply with the requirements of endingeneric statements. 	rker expo enginee y lower e ocess equ environm	explosive limits. Use explosion-proof uipment should be checked to ensure
ndividual protection measure Hygiene measures	 will be necessary to reduce emissions Wash hands, forearms and face thoro eating, smoking and using the lavatory Appropriate techniques should be used Contaminated work clothing should no contaminated clothing before reusing, showers are close to the workstation laboration. 	ughly aft / and at t d to remo t be allov Ensure	er handling chemical products, before the end of the working period. ove potentially contaminated clothing. wed out of the workplace. Wash
Eye/face protection	: Chemical splash goggles.		
Skin protection			
Hand protection	worn at all times when handling chemi necessary. Considering the paramete during use that the gloves are still reta	ical produ rs specif ining the r any glo nixtures,	ir protective properties. It should be ve material may be different for different consisting of several substances, the
Gloves	: butyl rubber		
Body protection	: Personal protective equipment for the performed and the risks involved and s		build be selected based on the task being e approved by a specialist before

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Section 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. The respiratory protection shall be in accordance to 29 CFR 1910.134.

Section 9. Physical and chemical properties

Physical state: Liquid.Color: Gray.Odor: Aromatic. [Slight]Odor threshold: Not available.pH: Not available.Melting point: Not available.Boiling point: >37.78°C (>100°F)Flash point: Closed cup: 37°C (98.6°F)Auto-ignition temperature: Not available.Decomposition temperature: Not available.Flammability: Not available.Evaporation rate: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.65Density (Ibs / gal): 13.77
Odor: Aromatic. [Slight]Odor threshold: Not available.pH: Not available.Melting point: Not available.Boiling point: >37.78°C (>100°F)Flash point: Closed cup: 37°C (98.6°F)Auto-ignition temperature: Not available.Decomposition temperature: Not available.Flammability: Not available.Flammability: Not available.Evaporation rate: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.65
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Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.65
Vapor density: Not available.Relative density: 1.65
Relative density : 1.65
Density (lbs / gal) : 13.77
Media Result
Solubility(ies) : cold water Not soluble
Partition coefficient: n- : Not applicable. octanol/water
Viscosity: Kinematic (room temperature): >400 mm²/s (>400 cSt) Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)
Volatility : 18% (v/v), 9.144% (w/w)
% Solid. (w/w) : 90.856

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Section 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. Refer to protective measures listed in sections 7 and 8.
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 sulfur oxides halogenated compounds metal oxide/ oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
bis-[4-(2,3-epoxipropoxi)	LD50 Dermal	Rabbit	23000 mg/kg	-
phenyl]propane				
	LD50 Oral	Rat	15000 mg/kg	-
barium sulfate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Epoxy Resin (700 <mw <=1100)</mw 	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Phenol, methylstyrenated	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
oxirane, mono[LD50 Oral	Rat	17100 mg/kg	-
(C12-14-alkyloxy)methyl] derivs.				
reaction products with	LC50 Inhalation Dusts and mists	Rat	3.56 mg/l	4 hours
1,3-benzenedimethanamine				
and hexamethylenediamine	I DE0 Dormal	Det	>2000 mg/kg	
	LD50 Dermal	Rat	>2000 mg/kg	-
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Section 11. Toxicological information

	5-				
	LD50 Oral	Rat	>2000 mg/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	-	
Conclusion/Summary : There are no data available on the mixture itself.					

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	-

Conclusion/Summary

: There are no data available on the mixture itself.

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

Sensitization

Skin Eyes

Product/ingredient name	Route of exposure	S	pecies	Result	
bis-[4-(2,3-epoxipropoxi) phenyl]propane oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	skin skin		ouse uinea pig	Sensitizing Sensitizing	
Conclusion/Summary					
Skin	: There are	e no data a	vailable on the mixture itself.		
Respiratory	: There are no data available on the mixture itself.				
Mutagenicity					
Conclusion/Summary	: There are no data available on the mixture itself.				
Carcinogenicity					
Conclusion/Summary	: There are no data available on the mixture itself.				
Classification					
Product/ingredient name	OSHA	IARC	NTP		
bis-[4-(2,3-epoxipropoxi) phenyl]propane	-	3	-		
xylene	-	3	-		
titanium dioxide	-	2B	-		
glass, oxide, chemicals	-	3	-		
ethylbenzene	-	2B	-		

Carcinogen Classification code:

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Section 11. Toxicological information

RC: 1, 2A, 2B, 3,	ARC: 1,
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NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

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

Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself. **Specific target organ toxicity (single exposure)**

Name	Category	Route of exposure	Target organs
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	Category 2	inhalation	lungs
ethylbenzene	Category 2	-	hearing organs

Target organs

: Contains material which causes damage to the following organs: brain. Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, liver, cardiovascular system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Aspiration hazard

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

Information on the likely routes of exposure

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/s	ymptoms
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness

Product name SIGMASHIELD 880 GF BASE GREY 5177

Section 11. Toxicological information

	_
Inhalation	Adverse symptoms may include the following: respiratory tract irritation
	coughing
Skin contact	Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	No specific data.
	and also chronic effects from short and long term exposure
Conclusion/Summary	There are no data available on the mixture itself. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
<u>Short term exposure</u>	
Potential immediate effects	There are no data available on the mixture itself.
Potential delayed effects	There are no data available on the mixture itself.
<u>Long term exposure</u>	
Potential immediate effects	There are no data available on the mixture itself.
Potential delayed effects	There are no data available on the mixture itself.
Potential chronic health eff	<u>s</u>
General	May cause 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	No known significant effects or critical hazards.
Reproductive toxicity	No known significant effects or critical hazards.
Numerical measures of toxic	

Product name SIGMASHIELD 880 GF BASE GREY 5177

Section 11. Toxicological information

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
SIGMASHIELD 880 GF BASE GREY 5177	16940.0	6275.1	N/A	69.8	8.8
bis-[4-(2,3-epoxipropoxi)phenyl]propane	15000	23000	N/A	N/A	N/A
barium sulfate	N/A	2500	N/A	N/A	N/A
xylene	4300	1700	N/A	11	1.5
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
Phenol, methylstyrenated	2500	2500	N/A	N/A	N/A
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	17100	N/A	N/A	N/A	N/A
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	2500	2500	N/A	N/A	3.56
ethylbenzene	3500	17800	N/A	17.8	1.5

Section 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
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	LC50 >100 mg/l	Fish	96 hours
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata (microalgae)	72 hours
ý	Acute EC50 >100 mg/l	Daphnia - <i>Daphnia magna</i> (Water flea)	48 hours
	Acute LC50 >100 mg/l	Fish - Oncorhynchus mykiss (rainbow trout)	96 hours
	Chronic NOEC 100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC ≥50 mg/l	Daphnia - Daphnia magna (Water flea)	21 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
-	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-

Persistence and degradability

Product name SIGMASHIELD 880 GF BASE GREY 5177

Section 12. Ecological information

Product/ingredient name	Test	Result		Dose		Inoculum
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine ethylbenzene	OECD 301D Ready Biodegradability - Closed Bottle Test -		eadily - 29 days dily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
bis-[4-(2,3-epoxipropoxi) phenyl]propane xylene ethylbenzene	-		-		Not read Readily Readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
Phenol, methylstyrenated	3.627	-	Low
2-methylpropan-1-ol	1	-	Low
oxirane, mono[3.77	-	Low
(C12-14-alkyloxy)methyl] derivs.			
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	>6	-	High
ethylbenzene	3.6	79.43	Low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Section 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.

United States Page: 15/19

Product name SIGMASHIELD 880 GF BASE GREY 5177

Section 13. Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

	DOT	IMDG	ΙΑΤΑ
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	Ш	Ш	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	1864	Not applicable.	Not applicable.
RQ substances	(xylene)	Not applicable.	Not applicable.

Additional information

DOT : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
 IMDG : This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.
 IATA : 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

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are active or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Product name SIGMASHIELD 880 GF BASE GREY 5177

Section 15. Regulatory information

Classification	: FLAMMABLE LIQUIDS - Category 3
	SKIN IRRITATION - Category 2
	EYE IRRITATION - Category 2A
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 2
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract
	irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNOC - Defatting irritant

Composition/information on ingredients

fibres (Respiratory tract irritation) - Category 3 xylene ≥1.0 - ≤6.7 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (nhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 Eyex IRRITATION + Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 titanium dioxide ≥1.0 - ≤5.0 CARCINOGENICITY - Category 2 Epoxy Resin (700 <mw<=1100)< td=""> ≥1.0 - ≤5.0 COMBUSTIBLE DUSTS SKIN IRRITATION - Category 1 SKIN SENSITIZATION - Category 2 Phenol, methylstyrenated ≥1.0 - ≤5.0 SKIN IRRITATION - Category 2 2-methylpropan-1-ol ≥0.10 - ≤2.6 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 Serious EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 oxirane, mono[(C12-14-alkyloxy) ≥1.0 - ≤5.0 SKIN IRRITATION - Category 2 serious products with 1.0 - ≤5.0 SKIN IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Na</mw<=1100)<>	Name	%	Classification
Talc, not containing asbestiform SKIN SENSITIZATION - Čategory 1B Talc, not containing asbestiform SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 Xylene 21.0 - ≤6.7 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 4 SKIN IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 4 SKIN SENSITIZATION - Category 2 EYE IRRITATION - Category 2 Epoxy Resin (700 <mw<=1100)< td=""> 21.0 - ≤5.0 COMBUSTIBLE DUSTS SKIN SENSITIZATION - Category 1B SKIN SENSITIZATION - Category 1B SKIN IRRITATION - Category 1B 2-methylpropan-1-ol 21.0 - ≤5.0 SKIN IRRITATION - Category 1B 2-methylpropan-1-ol 20.10 - ≤2.6 FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 oxirane, mono[(C12-14-alkyloxy) >1.0 - ≤5.0 SKIN IRRITATION - Category 3 oxirane, mono[(C12-14-alkyloxy) >1.0 - ≤5.0 SKIN SENSITIZATION - Cat</mw<=1100)<>	bis-[4-(2,3-epoxipropoxi)phenyl]	≥20 - ≤50	
Talc , not containing asbestiform ≥10 - ≤20 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory trad irritation) - Category 3 xylene ≥1.0 - ≤6.7 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 ACUTE TOXICITY (Inhalation) - Category 4 SKIN IRRITATION - Category 2 Eye IRRITATION - Category 1 SKIN IRRITATION - Category 2 Epoxy Resin (700 <mw<=1100)< td=""> ≥1.0 - ≤5.0 COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 Phenol, methylstyrenated ≥1.0 - ≤5.0 SKIN IRRITATION - Category 2 2-methylpropan-1-ol ≥1.0 - ≤5.0 SKIN IRRITATION - Category 2 SKIN IRRITATION - Category 1 SKIN SENSITIZATION - Category 3 SERIOUS EYE DAMAGE - Category 1 SKIN IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SKIN IRRITATION - Category 3 SKIN IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Ractore</mw<=1100)<>	propane		EYE IRRITATION - Category 2A
fibres xylene ≥1.0 - ≤6.7 FLAMMABLE LIQUIDS - Category 3 xylene ≥1.0 - ≤6.7 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 Eyex Resin (700 <mw<=1100)< td=""> ≥1.0 - ≤5.0 CARCINOGENICITY - Category 1 Epoxy Resin (700<mw<=1100)< td=""> ≥1.0 - ≤5.0 CARCINOGENICITY - Category 2 Eyex IRRITATION - Category 1 ≥1.0 - ≤5.0 COMBUSTIBLE DUSTS SKIN SENSITIZATION - Category 1 ≥1.0 - ≤5.0 SKIN SENSITIZATION - Category 1 Phenol, methylstyrenated ≥1.0 - ≤5.0 SKIN SENSITIZATION - Category 2 2-methylpropan-1-ol ≥1.0 - ≤2.6 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSU (Narcotic effects) - Category 3 SKIN SENSITIZATION - Category 3 syleine (C12-14-alkyloxy) ≥1.0 - ≤5.0 SKIN IRRITATION - Category 3 syleine (C12-14-alkyloxy) ≥1.0 - ≤5.0 SKIN IRRITATION - Category 3 syleine (C12-14-alkyloxy) ≥1.0 - ≤5.0 SKIN SENSITIZATION - Cat</mw<=1100)<></mw<=1100)<>			SKIN SENSITIZATION - Category 1B
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ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 2 EYE IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 1 Epoxy Resin (700 <mw<=1100)< td=""> ≥1.0 - ≤5.0 CARCINOGENICITY - Category 2 EYE IRRITATION - Category 1B Phenol, methylstyrenated ≥1.0 - ≤5.0 SKIN IRRITATION - Category 1B 2-methylpropan-1-ol ≥0.10 - ≤2.6 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SKIN IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SYN ISENSITIZATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narctic effects) - Category 1B<td>xylene</td><td>≥1.0 - ≤6.7</td><td>FLAMMABLE LIQUIDS - Category 3</td></mw<=1100)<>	xylene	≥1.0 - ≤6.7	FLAMMABLE LIQUIDS - Category 3
SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 Epoxy Resin (700 <mw<=1100)< td=""> 21.0 - ≤5.0 CARCINOGENICITY - Category 2 Eyex Resin (700<mw<=1100)< td=""> 21.0 - ≤5.0 COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B SKIN SENSITIZATION - Category 1B 2-methylpropan-1-ol 20.10 - ≤2.6 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SKIN IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 2 Stin SENSITIZATION - Ca</mw<=1100)<></mw<=1100)<>	-		ACUTE TOXICITY (dermal) - Category 4
EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1 Epoxy Resin (700 <mw<=1100)< td=""> ≥1.0 - ≤5.0 CARCINOGENICITY - Category 2 Eyex Resin (700<mw<=1100)< td=""> ≥1.0 - ≤5.0 COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 2A SKIN SENSITIZATION - Category 1B Phenol, methylstyrenated ≥1.0 - ≤5.0 SKIN IRRITATION - Category 1B Phenol, methylstyrenated ≥1.0 - ≤5.0 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1B Phenol, methylpropan-1-ol ≥0.10 - ≤2.6 FLAMMABLE LIQUIDS - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 SKIN IRRITATION - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 3 HNOC - Defatting irritation) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic effects) - Category 2 SKIN ISENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSL (Narcotic</mw<=1100)<></mw<=1100)<>			ACUTE TOXICITY (inhalation) - Category 4
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SPECIFIC TARGET ORGAN TOXICITY (REPEATED			
			EXPOSURE) - Category 2
ASPIRATION HAZARD - Category 1			

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Date of issue 17 May 2024

Product name SIGMASHIELD 880 GF BASE GREY 5177

Section 15. Regulatory information

		HNOC - Defatting irritant		
SARA 313				
	Chemical name		<u>CAS number</u>	Concentration
Supplier notification	: xylene		1330-20-7	3 - 7
	ethylbenzene		100-41-4	0.1 - 1
	1,1 ['] -Biphenyl, ch	loro derivs.	1336-36-3	0.00000002124
		m the SDS and environming on	d ve dietnik utiene of th	a CDC aball include

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

California Prop. 65

WARNING: Cancer - www.P65Warnings.ca.gov.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 3 * Flammability : 3 Physical hazards : 0

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Health : 3 Flamma	bility : 3 Instability : 0
Date of previous issue	: No previous validation
Organization that prepared the SDS	: EHS
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container 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) N/A = Not available SGG = Segregation Group UN = United Nations

Indicates information that has changed from previously issued version.

Disclaimer

Date of issue 17 May 2024

Product name SIGMASHIELD 880 GF BASE GREY 5177

Section 16. Other information

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.