SAFETY DATA SHEET



Date of issue/Date of revision9 December 2020Version 1

Section 1. Identification of the substance/mixture and of the company/undertaking

Product code	: 00397489
Product name	: SIGMASHIELD 880 BLACK 8000 RESIN
Other means of identification	: Not available.
Product type	: Liquid.

Relevant identified uses of the substance or mixture and uses advised against		
Product use	Coating. Industrial applications, Used by spraying.	
Uses advised against	: Product is not intended, labelled or packaged for consumer use.	
Supplier's details	: PPG Coatings (Thailand) Co., Ltd. 15 Rama 9 Road, Kwaeng Huamark, Khet Bangkapi, Bangkok 10240 Thailand T: 662-319-4190 #224 F: 662-319-4189	
Emergency telephone number (with hours of operation)	: CHEMTREC 001-800-13-203-9987 (CCN 17704)	

Section 2. Hazards identification

: FLAMMABLE LIQUIDS - Category 3
ACUTE TOXICITY (inhalation) - Category 4
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
SKIN SENSITIZATION - Category 1A
GERM CELL MUTAGENICITY - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG-TERM) - Category 3
Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 40.2% (oral), 58.5% (dermal), 81.5% (inhalation)

Section 2. Hazards identification

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 65.7%

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. Harmful if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Precautionary statements		
Prevention	:	Obtain special instructions before use. Use personal protective equipment as required. Wear protective gloves. Wear 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. Avoid release to the environment. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
Response	:	IF exposed or concerned: Get medical advice or attention. IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash before reuse. 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. Immediately call a POISON CENTER or doctor.
Storage	:	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.
Other hazards which do not result in classification	:	Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

CAS number/other identifiers

CAS number

: Not applicable.

Ingredient name	%	CAS number
crystalline silica, respirable powder (<10 microns)	20- <25	14808-60-7
bis-[4-(2,3-epoxipropoxi)phenyl]propane	20- <25	1675-54-3
Talc , not containing asbestiform fibres	10- <20	14807-96-6
xylene	5- <10	1330-20-7
Epoxy Resin (700 <mw<=1100)< td=""><td>3 - <5</td><td>67924-34-9</td></mw<=1100)<>	3 - <5	67924-34-9
Phenol, isobutylenated methylstyrenated	3 - <5	68457-74-9
2-methylpropan-1-ol	3 - <5	78-83-1
2,3-epoxypropyl neodecanoate	1- <3	26761-45-5
ethylbenzene	1- <3	100-41-4

There are no 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.

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.

Section 4. First aid measures

Description of necessary 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 symptoms/effects, acute and delayed

Potential acute health effects	
Eye contact	: Causes serious eye damage.
Inhalation	: Harmful if inhaled. 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.

Section 4. First aid measures

Eye contact : Adverse symptoms may include t	he following:
pain watering redness	
Inhalation : Adverse symptoms may include t respiratory tract irritation coughing	he following:
Skin contact : Adverse symptoms may include t pain or irritation redness dryness cracking blistering may occur	he following:
Ingestion : Adverse symptoms may include t stomach pains	he following:
Indication of immediate medical attention and special treatment	<u>t needed, if necessary</u>
Notes to physician: Treat symptomatically. Contact p quantities have been ingested or	ooison treatment specialist immediately if large inhaled.
Specific treatments : No specific treatment.	
is suspected that fumes are still p mask or self-contained breathing	g any personal risk or without suitable training. If it present, the rescuer should wear an appropriate apparatus. It may be dangerous to the person buth resuscitation. Wash contaminated clothing oving it, or wear gloves.

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. 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 harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides

Section 5. Fire-fighting measures

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, protect	ctive 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. 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.

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 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.

Section 7. Handling and storage

Precautions for safe handling	: Put on appropriate personal protective equipment (see Section 8). 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. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. 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 non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
Conditions for safe storage, including any incompatibilities	: Do not store above the following temperature: 50°C (122°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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
crystalline silica, respirable powder (<10 microns)	Ministry of Labor (Thailand, 8/2017). TWA: 0.025 mg/m ³ 8 hours. Form:
Talc , not containing asbestiform fibres	Respirable dust Ministry of Labor (Thailand, 8/2017). TWA: 0.1 fibres/1 cc 8 hours. Form: Respirable dust TWA: 2 mg/m ³ 8 hours. Form: Respirable dust
xylene	Ministry of Labor (Thailand, 8/2017).
2-methylpropan-1-ol	TWA: 100 ppm 8 hours. ACGIH TLV (United States, 3/2019). TWA: 152 mg/m ³ 8 hours.
ethylbenzene	TWA: 50 ppm 8 hours. Ministry of Labor (Thailand, 8/2017). TWA: 100 ppm 8 hours.

Section 8. Exposure controls/personal protection

Recommended monitoring : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination or ther engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls concentrations below any recommended or statutory limits. The engineering controls contaminants below any recommended or statutory limits. The engineering controls contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosive limits. Use explosive should be used to encore process equipment. Environmental exposure Emissions from ventilation or work process squipment should be checked to ensure controls and the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures I Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated lothing, Contaminated Work clothing should not be allowed out of the working period. Skin protection : Chemical-resistant, impervious gloves complyin			
controlsventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the workipace. Wash contaminated work clothing should not be allowed out of the workipace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.Eye 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 manufactures. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.Gloves: butyl rubberBody protection: Appropriate footwer and any additional skin protection measures should be approved by a specialist before handling this product. When there is a risk	Recommended monitoring procedures	:	of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the
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Section 9. Physical and chemical properties

Appearance		
Physical state	Liquid.	
Color	Not available.	
Odor	Characteristic.	
Odor threshold	Not available.	
рН	insoluble in water.	
Melting point	May start to solidify at the following temperature: 8 to 12°C (46.4 to 53.6°f based on data for the following ingredient: bis-[4-(2,3-epoxipropoxi)pheny Weighted average: -31.62°C (-24.9°F)	
Boiling point	>37.78°C (>100°F)	
Flash point	Closed cup: 33.33°C (92°F)	
Evaporation rate	0.67 (butyl acetate = 1)	
Flammability (solid, gas)	liquid	
Lower and upper explosive (flammable) limits	Greatest known range: Lower: 1.7% Upper: 10.9% (2-methylpropan-1-ol)	1
Vapor pressure	1 kPa (7.4 mm Hg) (at 20°C)	
Vapor density	Highest known value: 11.7(Air = 1)(bis-[4-(2,3-epoxipropoxi)phenyl]pro Weighted average: 7.82(Air = 1)	pane).
Relative density	1.53	
Solubility	Insoluble in the following materials: cold water.	
Partition coefficient: n- octanol/water	Not applicable.	
Auto-ignition temperature	Lowest known value: 276°C (528.8°F) (2,3-epoxypropyl neodecanoate).	
Decomposition temperature	Stable under recommended storage and handling conditions (see Sectior	ı 7).
Viscosity	Kinematic (40°C): >0.21 cm²/s	

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.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
bis-[4-(2,3-epoxipropoxi)phenyl] propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
Phenol, isobutylenated methylstyrenated	LC50 Inhalation Dusts and mists	Rat	>23250 mg/ m ³	4 hours
	LD50 Dermal	Rabbit	>20000 mg/ kg	-
	LD50 Dermal	Rat	>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	-
2,3-epoxypropyl neodecanoate	LD50 Dermal	Rat	3800 mg/kg	-
	LD50 Oral	Rat	9.6 g/kg	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
-	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-

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 - Redness of the conjunctivae	Rabbit	0.4	24 hours	-
	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Skin - Erythema/Escha	ar Rabbit	0.8	4 hours	-
	Skin - Edema	Rabbit	0.5	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-
xylene	Skin - Moderate irritan	t Rabbit	-	24 hours 500	-
				mg	
Conclusion/Summary					
Skin	There are no data avail	able on the mixtu	re itself.		
Eyes	There are no data avail	able on the mixtu	re itself.		
Respiratory	There are no data avail	able on the mixtu	re itself.		
Sensitization					
Product/ingredient name	Route of Spe	cies	R	esult	

i roudchingrealent name	exposure	opecies	Nesun
bis-[4-(2,3-epoxipropoxi) phenyl]propane	skin	Mouse	Sensitizing

Conclusion/Summary

Skin

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

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

Section 11. Toxicological information

Mutag	eni	ci	tv
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Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
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
xylene 2-methylpropan-1-ol	Category 3 Category 3 Category 3 Category 3	-	Respiratory tract irritation Respiratory tract irritation Respiratory tract irritation Narcotic effects

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
crystalline silica, respirable powder (<10 microns)	Category 1	inhalation	-
ethylbenzene	Category 2	-	hearing organs

Aspiration hazard

Name	Result
xylene	ASPIRATION HAZARD - Category 1
2-methylpropan-1-ol	ASPIRATION HAZARD - Category 2
ethylbenzene	ASPIRATION HAZARD - Category 1

nformation on the likely outes of exposure	: Not available.
Potential acute health effe	<u>cts</u>
Eye contact	: Causes serious eye damage.
Inhalation	: Harmful if inhaled. 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.

Eye contact : Adverse symptoms may include the follow pain watering redness
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Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

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

Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>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	: No known significant effects or critical hazards.
Mutagenicity	: Suspected of causing genetic defects.
Reproductive toxicity	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	12035.38 mg/kg
Dermal	5281.04 mg/kg
Inhalation (vapors)	25.14 mg/l
Inhalation (dusts and mists)	3.22 mg/l

Other information

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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.

Section 12. Ecological information

Toxicity

Result	Species	Exposure
Acute LC50 1.8 mg/l Fresh water	Daphnia - daphnia magna	48 hours
Chronic NOEC 0.3 mg/l	Daphnia	21 days
Acute EC50 1100 mg/l	Daphnia	48 hours
Acute EC50 3.5 mg/l	Algae	96 hours
Acute EC50 4.8 mg/l	Daphnia - Daphnia magna	48 hours
Acute LC50 9.6 mg/l	Fish - Oncorhynchus mykiss	96 hours
Acute LC50 150 to 200 mg/l Fresh water	Fish	96 hours
	Acute LC50 1.8 mg/l Fresh water Chronic NOEC 0.3 mg/l Acute EC50 1100 mg/l Acute EC50 3.5 mg/l Acute EC50 4.8 mg/l Acute LC50 9.6 mg/l Acute LC50 150 to 200 mg/l Fresh	Acute LC50 1.8 mg/l Fresh waterDaphnia - daphnia magnaChronic NOEC 0.3 mg/l Acute EC50 1100 mg/l Acute EC50 3.5 mg/lDaphnia Daphnia AlgaeAcute EC50 4.8 mg/l Acute LC50 9.6 mg/l Acute LC50 150 to 200 mg/l FreshDaphnia - Daphnia magna Fish

Persistence/degradability

Conclusion/Summary : There are no data available on the mixture itself.				
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
bis-[4-(2,3-epoxipropoxi) phenyl]propane	-	-	Not readily	
xylene 2,3-epoxypropyl neodecanoate	-	-	Readily Not readily	
ethylbenzene	-	-	Readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene	3.16	7.4 to 18.5	low
2-methylpropan-1-ol	0.76	-	low
2,3-epoxypropyl neodecanoate	4.4	-	high
ethylbenzene	3.15	79.43	low

Mobility in soil

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

Other adverse effects

: No known significant effects or critical hazards.

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 nonrecyclable 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.

Section 14. Transport information

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

Additional information

UN: None identified.IMDG: None identified.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

Harmful Chemicals List : Listed

Safety, health and

: No known specific national and/or regional regulations applicable to this product (including its ingredients).

specific for the product International regulations

environmental regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Section 16. Other information

<u>History</u>		
Date of issue/Date of revision	: 9 December 2020	
Date of previous issue	: No previous validation	
Version	: 1	
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.

Notice to reader

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.