SAFETY DATA SHEET



Date of issue 6/24/2025 (month/day/year) SDS Number: AA00147-5300000112

Version 6

Section 1. Chemical product and company identification

A. Product name : AMERCOAT 138G DK GRAY TYPE I/II/IV KIT

Product code : 00333924

B. Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications, Used by spraying.

Use of the substance/

mixture

: Coating.

Uses advised against: Product is not intended, labelled or packaged for consumer use.

C. Supplier's or Importer's

information

Email Address

: PPG SSC (680-090)

19, Yeocheon-ro 217beon-gil, Nam-gu,

Ulsan, Korea

Tel: +82-52-210-8222 Korea.MSDS@PPG.COM

Emergency telephone

number:

: +82-52-210-8331

Section 2. Hazards identification

A. Hazard classification : AMMABLE LIQUIDS - Category 3

SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1

GERM CELL MUTAGENICITY - Category 1B

CARCINOGENICITY - Category 1A

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

AQUATIC HAZARD (LONG-TERM) - Category 2

This product is classified in accordance with the Industrial Safety and Health Act and

the Chemical Control Act.

B. GHS label elements, including precautionary statements

Symbol

:

(!)

*

Signal word : Danger

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Product name AMERCOAT 138G DK GRAY TYPE I/II/IV KIT

Section 2. Hazards identification

Hazard statements : $\sqrt{226}$ - Flammable liquid and vapor.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H340 - May cause genetic defects.

H350 - May cause cancer.

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

: P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves, protective clothing and eye or face protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 - Use explosion-proof electrical, ventilating or lighting equipment.

P241 - Use explosion-proof electrical, ventilating or lighting equipment.

P242 - Use non-sparking tools.

P243 - Take action to prevent static discharges.

P240 - Ground and bond container and receiving equipment.

P273 - Avoid release to the environment.

P260 - Do not breathe vapor.

P270 - Do not eat, drink or smoke when using this product.

P264 - Wash thoroughly after handling.

Response

: P391 - Collect spillage.

P370 + P378 - In case of fire: Never use water to extinguish.

P308 + P313 - IF exposed or concerned: Get medical advice or attention.

P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water or shower.

P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.

P321 - Specific treatment (see the label).

Storage

: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 - Keep cool.

Disposal

: P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

C. Other hazards which do not result in

classification

C. Other hazards which do : Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

CAS number/other identifiers

CAS number : Not applicable.

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Product name AMERCOAT 138G DK GRAY TYPE I/II/IV KIT

Section 3. Composition/information on ingredients

Chemical name	Common name	Identifiers	%
Muminum oxide	ALUMINUM OXIDE	CAS: 1344-28-1	20 -
			<30
		EC: 215-691-6	
2,2"-[(1-methylethylidene)bis	Bisphenol A diglycidyl ether	CAS: 1675-54-3	5 - <10
(4,1-phenyleneoxymethylene)]bisoxirane		EO 040 000 E	
SOLVENT NAPHTHA (PETROLEUM),	SOLVENT NAPHTHA (PETROLEUM),	EC: 216-823-5 CAS: 64742-95-6	1 - <5
LIGHT AROMATIC	LIGHT AROMATIC	CAS. 04/42-95-0	1 - \5
LIGITI ANOMATIO	LIGITI ANOMATIO	EC: 265-199-0	
Iron oxide	Diiron trioxide	CAS: 1309-37-1	1 - <5
		EC: 215-168-2	
1,2,4-TRIMETHYLBENZENE	1,2,4-TRIMETHYL BENZENE	CAS: 95-63-6	1 - <5
		EC: 202-436-9	
C12-C14 ALKYL GLYCIDYL ETHER	oxirane, mono[(C12-14-alkyloxy)methyl]	CAS: 68609-97-2	1 - <5
	derivs.		
	TITANIII INA BIOVIDE	EC: 271-846-8	
titanium dioxide	TITANIUM DIOXIDE	CAS: 13463-67-7	1 - <5
n Butul contate	N-BUTYL ACETATE	EC: 236-675-5 CAS: 123-86-4	1 - <5
n-Butyl acetate	IN-BUTTL ACETATE	EC: 204-658-1	1 - <5
Benzyl alcohol	BENZYL ALCOHOL	CAS: 100-51-6	0.1 - <1
Benzyr alconor	BENZTE AEGOTIGE	EC: 202-859-9	0.1 - 31
3-aminomethyl-	Isophorone diamine	CAS: 2855-13-2	0.1 - <1
3,5,5-trimethylcyclohexylamine			
		EC: 220-666-8	
Quaternary ammonium compounds,	ORGANIC DERIVATIVE OF A	CAS: 121888-68-4	0.1 - <1
benzyl (hydrogenated tallow alkyl)	MONTMORILLONITE CLAY		
dimethyl, stearates, salts with bentonite;			
Bentonite, benzyl(hydrogenated tallow			
alkyl) dimethylammonium stearate complex -			
methyl alcohol	METHYL ALCOHOL	CAS: 67-56-1	0.1 - <1
	WETTIE ALCOHOL	EC: 200-659-6	0.1 - 1
		1=3.200 000 0	

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

A.	Eye contact	:	Remove contact lenses, irr	rigate d	copiously with clean,	fresh water, holding the
			evelids apart for at least 10	n minut	tes and seek immedi	iate medical advice

- 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.
- C. 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.

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Product name AMERCOAT 138G DK GRAY TYPE I/II/IV KIT

Section 4. First aid measures

D. Ingestion :

: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

E. 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
Protection of first-aiders

: No specific treatment.

: 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

A. Extinguishing media

Suitable extinguishing media

: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media

: Do not use water jet.

B. Specific hazards arising from the chemical

: Mammable 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

halogenated compounds metal oxide/oxides

C. Special equipment for fire-fighting

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

Fire-fighting procedures

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.

Section 6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures

: 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.

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Section 6. Accidental release measures

B. Environmental precautions

: Kvoid 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.

C. 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 noncombustible, 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

A. Precautions for safe handling

- : 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. 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.
- **B.** 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.

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Section 8. Exposure controls/personal protection

A. Occupational exposure limits

Ingredient name	Exposure limits
Aluminum oxide	ISHA Article 42 (Republic of Korea,
	1/2020)
	TWA 8 hours: 10 mg/m³.
Iron oxide	ISHA Article 42 (Republic of Korea,
	1/2020) [Iron oxide]
	TWA 8 hours: 5 mg/m³ (as Fe). Form:
	Fume.
	TWA 8 hours: 5 mg/m³ (as Fe).
1,2,4-TRIMETHYLBENZENE	ISHA Article 42 (Republic of Korea,
	1/2020) [Trimethyl benzene]
	TWA 8 hours: 25 ppm.
titanium dioxide	ISHA Article 42 (Republic of Korea,
	1/2020)
	TWA 8 hours: 10 mg/m³.
n-Butyl acetate	ISHA Article 42 (Republic of Korea,
•	1/2020)
	STEL 15 minutes: 200 ppm.
	TWA 8 hours: 150 ppm.
methyl alcohol	ISHA Article 42 (Republic of Korea,
	1/2020) Absorbed through skin.
	STEL 15 minutes: 250 ppm.
	TWA 8 hours: 200 ppm.

Recommended monitoring procedures

- : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- B. Appropriate engineering : controls
- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation 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.
- C. Personal protective equipment

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.

Eye protection

: Chemical splash goggles.

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Section 8. Exposure controls/personal protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves

butyl rubber

Body protection

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.

Hygiene measures

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 clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

A. Appearance

Physical state : Liquid. Color : Gray.

B. Odor Characteristic. : Not available. C. Odor threshold D. pH : Not applicable. E. Melting/freezing point : Not available. F. Boiling point/boiling : >37.78°C (>100°F)

range

: Closed cup: 40°C (104°F)

G. Flash point : 0.41 (butyl acetate = 1) H. Evaporation rate

Flammability (solid, gas) : Not available.

J. Lower and upper explosive (flammable)

limits

: Not available.

K. Vapor pressure : 1.7 kPa (12.5 mm Hg)

Media Result L. Solubility(ies)

> cold water Not soluble

Solubility in water : 0.2 g/l

Vapor density Not available.

Relative density 1.95

Partition coefficient: n-: Not applicable.

octanol/water

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Section 9. Physical and chemical properties

P. Auto-ignition temperature

Ingredient name	°C	°F	Method
Solvent naphtha (petroleum), light aromatic	280 to 470	536 to 878	

Q. Decomposition temperature

: Not available.

Viscosity

S.

: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)

Flow time (ISO 2431) : Not available.

Molecular weight : Not applicable.

Section 10. Stability and reactivity

A. Chemical stability : The product is stable.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

B. Conditions to avoid

: When exposed to high temperatures may produce hazardous decomposition products.

C. Incompatible materials

: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

D. Hazardous decomposition products

Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds metal oxide/ oxides

Section 11. Toxicological information

A. Information on the likely routes of exposure

: Not available.

Potential acute health effects

Inhalation: May cause respiratory irritation.

Ingestion: No known significant effects or critical hazards.

Skin contact: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Eye contact : Causes serious eye irritation.

Over-exposure signs/symptoms

Inhalation: Adverse symptoms may include the following:

respiratory tract irritation

coughing

Ingestion: No specific data.

Skin contact: Adverse symptoms may include the following:

irritation redness dryness cracking

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Section 11. Toxicological information

Eye contact

: Adverse symptoms may include the following: pain or irritation watering redness

B. Health hazards

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Muminum oxide	LC50 Inhalation Dusts and mists	Rat	7.6 mg/l	4 hours
	LD50 Oral	Rat	>15900 mg/kg	-
2,2"-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)] bisoxirane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	LD50 Dermal	Rabbit	3.48 g/kg	-
	LD50 Oral	Rat	8400 mg/kg	-
Iron oxide	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Oral	Rat	10 g/kg	-
1,2,4-TRIMETHYLBENZENE	LC50 Inhalation Vapor	Rat	18000 mg/m ³	4 hours
	LD50 Oral	Rat	5 g/kg	-
C12-C14 ALKYL GLYCIDYL ETHER	LD50 Dermal	Rabbit	>4000 mg/kg	-
	LD50 Oral	Rat	17100 mg/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	-
n-Butyl acetate	LC50 Inhalation Vapor	Rat	>21.1 mg/l	4 hours
-	LC50 Inhalation Vapor	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
Benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
3-aminomethyl-	LC50 Inhalation Dusts and	Rat	>5.01 mg/l	4 hours
3,5,5-trimethylcyclohexylamine	mists			
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1030 mg/kg	-
methyl alcohol	LC50 Inhalation Vapor	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-

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

Irritation/Corrosion

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Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,2"-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)] bisoxirane	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 Skin - Mild irritant	Rabbit Rabbit	0.8	4 hours 4 hours	-

Conclusion/Summary

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

Sensitization

Product/ingredient name	Route of exposure	Species	Result
2,2"-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)] bisoxirane	skin	Mouse	Sensitizing
3-aminomethyl- 3,5,5-trimethylcyclohexylamine	skin	Guinea pig	Sensitizing

Conclusion/Summary

Skin : There are no data available 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.

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	Classification	Route of exposure	Target organs
Muminum oxide	Category 3	-	Respiratory tract irritation
Iron oxide	Category 3	-	Respiratory tract irritation
1,2,4-TRIMETHYLBENZENE	Category 3	-	Respiratory tract irritation
C12-C14 ALKYL GLYCIDYL ETHER	Category 3	-	Respiratory tract irritation

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n-Butyl acetate	Category 3		Respiratory tract rritation		
- methyl alcohol	Category 3 Category 1	- -	Narcotic effects		

Specific target organ toxicity (repeated exposure)

Name	Classification	Route of exposure	Target organs
Muminum oxide	Category 1	-	-
Iron oxide	Category 1	-	-
1,2,4-TRIMETHYLBENZENE	Category 2	-	-

Aspiration hazard

Name	Result
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	ASPIRATION HAZARD - Category 1

Potential chronic health effects

General : ✓auses damage to organs through prolonged or repeated exposure. Prolonged or

repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to

very low levels.

Carcinogenicity: May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: May cause genetic defects.

Reproductive toxicity: No known significant effects or critical hazards.

Additional 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.

Chemical name	Identifiers	GHS Classification
Muminum oxide	CAS: 1344-28-1	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
	EC: 215-691-6	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
2,2"-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane	CAS: 1675-54-3	SKIN IRRITATION - Category 2
	EC: 216-823-5	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 2
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	CAS: 64742-95-6	FLAMMABLE LIQUIDS - Category 3
	EC: 265-199-0	SKIN IRRITATION - Category 2 GERM CELL MUTAGENICITY - Category 1B CARCINOGENICITY - Category 1B ASPIRATION HAZARD - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 2

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Section 11. Toxicological information

L		
Iron oxide	CAS: 1309-37-1	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) -
		Category 3
	EC: 215-168-2	SPECIFIC TARGET ORGAN TOXICITY
		(REPEATED EXPOSURE) - Category 1
1,2,4-TRIMETHYLBENZENE	CAS: 95-63-6	FLAMMABLE LIQUIDS - Category 3
1,2,1 11(11)	EC: 202-436-9	ACUTE TOXICITY (inhalation) - Category 4
	20. 202 400 0	SKIN IRRITATION - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3
		SPECIFIC TARGET ORGAN TOXICITY
		(REPEATED EXPOSURE) - Category 2
		AQUATIC HAZARD (LONG-TERM) - Category 2
C12-C14 ALKYL GLYCIDYL ETHER	CAS: 68609-97-2	SKIN IRRITATION - Category 2
	EC: 271-846-8	EYE IRRITATION - Category 2A
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3
		AQUATIC HAZARD (ACUTE) - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 1
titanium dioxide	CAS: 13463-67-7	CARCINOGENICITY - Category 2
	EC: 236-675-5	
n-Butyl acetate	CAS: 123-86-4	FLAMMABLE LIQUIDS - Category 2
,	EC: 204-658-1	SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
Benzyl alcohol	CAS: 100-51-6	ACUTE TOXICITY (oral) - Category 4
Benzyi diconor	EC: 202-859-9	ACUTE TOXICITY (dermal) - Category 4
	20. 202 000 0	ACUTE TOXICITY (inhalation) - Category 3
		EYE IRRITATION - Category 2A
		SKIN SENSITIZATION - Category 1
		TOXIC TO REPRODUCTION - Category 2
3-aminomethyl-	CAS: 2855-13-2	CORROSIVE TO METALS - Category 1
	CAS. 2833-13-2	CORROSIVE TO WETALS - Calegory T
3,5,5-trimethylcyclohexylamine	EC: 220-666-8	ACLITE TOVICITY (oral) Catagony 4
	EC. 220-000-0	ACUTE TOXICITY (oral) - Category 4
		ACUTE TOXICITY (dermal) - Category 4
		ACUTE TOXICITY (inhalation) - Category 4
		SKIN CORROSION - Category 1
		SERIOUS EYE DAMAGE - Category 1
	0.40 404000 00 4	SKIN SENSITIZATION - Category 1A
Quaternary ammonium compounds,	CAS: 121888-68-4	CARCINOGENICITY - Category 1A
benzyl (hydrogenated tallow alkyl)		
dimethyl, stearates, salts with bentonite;		
Bentonite, benzyl(hydrogenated tallow		
alkyl) dimethylammonium stearate		
complex -		
methyl alcohol	CAS: 67-56-1	FLAMMABLE LIQUIDS - Category 2
	EC: 200-659-6	ACUTE TOXICITY (oral) - Category 3
		ACUTE TOXICITY (dermal) - Category 3
		ACUTE TOXICITY (inhalation) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 3
	1	<u> </u>

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Product name AMERCOAT 138G DK GRAY TYPE I/II/IV KIT

Section 12. Ecological information

A. **Ecotoxicity**

Product/ingredient name	Result	Species	Exposure
Muminum oxide	Acute LC50 >100 mg/l	Fish	96 hours
2,2"-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)] bisoxirane	Acute LC50 1.8 mg/l Fresh water	Daphnia - daphnia magna	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	Acute LC50 8.2 mg/l	Fish	96 hours
Iron oxide	Acute EC50 >100 mg/l	Daphnia	48 hours
C12-C14 ALKYL GLYCIDYL ETHER	EC50 844 mg/l	Algae	72 hours
	EC50 7.2 mg/l	Daphnia	48 hours
	LC50 >1.8 mg/l	Fish	96 hours
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
n-Butyl acetate	Acute LC50 18 mg/l	Fish	96 hours
methyl alcohol	Acute LC50 13 mg/l Fresh water	Fish	96 hours

B. Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
©12-C14 ALKYL GLYCIDYL ETHER	Biodegradability - Manometric Respirometry	87 % - Readily - 28 days	-	-
n-Butyl acetate	Test TEPA and OECD 301D	83 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2,2"-[(1-methylethylidene)bis		-	Not readily
(4,1-phenyleneoxymethylene)] bisoxirane			
C12-C14 ALKYL	-	-	Readily
GLYCIDYL ETHER			
n-Butyl acetate	-	-	Readily
Benzyl alcohol	-	-	Readily

C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
1,2,4-TRIMETHYLBENZENE	3.63	120.23	Low
C12-C14 ALKYL	3.77	160 to 263	Low
GLYCIDYL ETHER			
n-Butyl acetate	2.3	-	Low
Benzyl alcohol	0.87	-	Low
3-aminomethyl-	0.99	-	Low
3,5,5-trimethylcyclohexylamine			
methyl alcohol	-0.77	-	Low

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Section 12. Ecological information

D. Mobility in soil

Soil/Water partition coefficient

: Not available.

E. Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

A. 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.

B. Disposal precautions

: 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	IATA
A. UN number	UN1263	UN1263	UN1263
B. UN proper shipping name	PAINT	PAINT	PAINT
C. Transport hazard class(es)	3	3	3
D. Packing group	III	III	III
Environmental hazards	No.	No.	No.
E. Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

UN : None identified.IMDG : None identified.IATA : None identified.

F. Special precaution which a user to be aware of or needs to comply with in connection with transport or transportation

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Section 14. Transport information

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

A. Regulation according to ISHA

ISHA article 117 (Harmful substances prohibited from manufacture) : None of the components are listed.

ISHA article 118 (Harmful substances requiring permission) : None of the components are listed.

Article 2 of Youth Protection Act on Substances Hazardous to Youth

: It is not allowed to sell to persons under the age of 19.

Exposure Limits of Chemical Substances and Physical Factors

The following components have an OEL:

ISHA Enforcement Regs : The following components are listed: methanol

Annex 19 (Exposure standards established for harmful factors)

ISHA Enforcement Regs

Annex 11-5 (Harmful factors subject to Work

Environment
Measurement)

ISHA Enforcement Regs Annex 22 (Harmful

Factors Subject to Special Health Check-

up)

control)

Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to : The following components are listed: aluminum and its compounds, magnesium

oxide, iron oxide, titanium dioxide, n-butyl acetate

: The following components are listed: Aluminum and its compounds, Iron oxide (dust,

fume)

: The following components are listed: aluminum and its compounds, magnesium

oxide, iron and its compounds, titanium dioxide, n-butyl acetate

B. Regulation according to Chemicals Control Act

Article 11 (TRI) : The following components are listed: Aluminium and its compounds

Article 18 Prohibited (K- : None of the

Reach Article 27)

: None of the components are listed.

Article 19 Subject to authorization (K-Reach

: None of the components are listed.

Article 25)

Article 20 Restricted (K- : None of the components are listed.

Reach Article 27)

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Section 15. Regulatory information

Article 20 Toxic

Chemicals (K-Reach

Article 20)

Korea inventory : At least one component is not listed. **Article 39 (Accident** : None of the components are listed.

: Not applicable

Precaution Chemicals)

C. Dangerous Materials : Class: Class 4 - Flammable Liquid Safety Management Act

Item: 4. Class 2 petroleums - Water-insoluble liquid

Threshold: 1000 L Danger category: III

Signal word: Contact with sources of ignition prohibited

D. Wastes regulation : Dispose of contents and container in accordance with all local, regional, national

and international regulations.

E. Regulation according to other foreign laws

Safety, health and environmental regulations specific for the product

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

Section 16. Other information

A. References : Korean Ministry of Environment; Chemical Control Act

Korean Ministry of Labor; Industrial Safety and Health Act

Registry of Toxic Effects of Chemical Substances (RTECS)

U.S. Environmental Protection Agency, AQUIRE (Aquatic toxicity Information

Retrieval) ECOTOX Database System.

B. First issue date : 12/2/2018 C. Date of issue/Date of : 6/24/2025

revision

D. Version : 6 **Prepared by** : EHS

E. Other

▼ Indicates information that has changed from previously issued version.

Disclaimer

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.

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