SAFETY DATA SHEET



Date of issue 6/28/2021 (month/day/year)

Version 5.01

Section 1. Chemical product and company identification

A. Product name : AMERLOCK 2 BASE ALUMINIUM

Product code : 00281057

B. 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: Product is not intended, labelled or packaged for consumer use.

C. Supplier's information : PPG SSC

(680-090)

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

Ulsan, Korea

: +82-52-210-8222

Tel: +82-52-210-8222

Email Address Korea.MSDS@PPG.COM

Emergency telephone

number:

A. Hazard classification : SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

SKIN SENSITIZATION - Category 1

GERM CELL MUTAGENICITY - Category 2 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

Section 2. Hazards identification

Symbol :







Signal word : Warning

Hazard statements: H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H341 - Suspected of causing genetic defects. H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

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Product name AMERLOCK 2 BASE ALUMINIUM

Section 2. Hazards identification

Prevention: P201 - Obtain special instructions before use.

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

P273 - Avoid release to the environment.

P261 - Avoid breathing vapor.

P264 - Wash thoroughly after handling.

Response : P391 - Collect spillage.

P308 + P313 - IF exposed or concerned: Get medical advice or attention. P362 + P364 - Take off contaminated clothing and wash it before reuse.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

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.

Storage : Not applicable.

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

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

Section 3. Composition/information on ingredients

CAS number/other identifiers

CAS number : Not applicable.

Chemical name	Common name	Identifiers	%
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin	EPOXY RESIN	CAS: 25068-38-6	50 - <60
Aluminium powder (stabilized) 2,3-epoxypropyl neodecanoate Solvent naphtha (petroleum), heavy	ALUMINUM POWDER GLYCIDYL NEODECANOATE SOLVENT NAPHTHA (PETROLEUM),	CAS: 7429-90-5 CAS: 26761-45-5 CAS: 64742-94-5	10 -<20 10 -<20 5 - <10
ethanol	HEAVY AROMATIC ETHYL ALCOHOL	CAS: 64-17-5	0.1 - <1

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, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate 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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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 : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. 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 an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: None known.

B. Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst. 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

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

mode.

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.

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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is

inadequate. Put on appropriate personal protective equipment.

B. Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

C. Methods and materials for containment and cleaning up

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Section 6. Accidental release measures

Small spill

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: Stop leak if without risk. Move containers from spill area. 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. 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

- A. 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. Avoid release to the environment. Refer to special instructions/safety data sheet. 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.
- B. 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 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. 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

A. Occupational exposure limits

Ingredient name	Exposure limits
Aluminium powder (stabilized)	Ministry of Employment and Labor (Republic of Korea, 1/2020).
ethanol	TWA: 10 mg/m³ 8 hours. Form: Dust Ministry of Employment and Labor (Republic of Korea, 1/2020). TWA: 1000 ppm 8 hours.

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Section 8. Exposure controls/personal protection

Recommended monitoring procedures

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: 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 of hazardous substances will also be required.

B. Appropriate engineering controls

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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 Hand protection

: Chemical splash goggles.

: 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.

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

A. Appearance

Physical state : Liquid.
Color : White.

B. Odor : Characteristic.
C. Odor threshold : Not available.
D. pH : Mot applicable.
E. Melting/freezing point : Not available.

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Section 9. Physical and chemical properties

F. Boiling point/boiling

range

: >37.78°C (>100°F)

: Closed cup: 74°C (165.2°F) G. Flash point

H. Evaporation rate : Not available. Flammability (solid, gas) : Not available.

J. Lower and upper explosive (flammable)

: Greatest known range: Lower: 0.6% Upper: 7% (Solvent naphtha (petroleum),

heavy arom.)

K. Vapor pressure : Not available.

: Insoluble in the following materials: cold water. L. Solubility

Solubility in water : Not available. M. Vapor density : Not available.

1.21 N. Relative density

O. Partition coefficient: noctanol/water

: Not applicable.

P. Auto-ignition : Not available.

temperature

R. Viscosity

: Not available.

Q. Decomposition temperature

: Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)

: Not applicable. S. Molecular weight

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

C. Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions:

oxidizing agents, strong alkalis, strong acids.

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

Section 11. Toxicological information

: Not available. A. Information on the likely routes of exposure

Potential acute health effects

Inhalation No known significant effects or critical hazards. : No known significant effects or critical hazards. Ingestion

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

Eye contact : Causes serious eye irritation.

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Product name AMERLOCK 2 BASE ALUMINIUM

Section 11. Toxicological information

Over-exposure signs/symptoms

Inhalation: No specific data.Ingestion: No specific data.

Skin contact: Adverse symptoms may include the following:

irritation redness dryness cracking

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
reaction product: bisphenol-A-	LD50 Dermal	Rabbit	>2 g/kg	-
(epichlorhydrin); epoxy resin				
	LD50 Oral	Rat	>2 g/kg	-
Aluminium powder (stabilized)	LC50 Inhalation Dusts and	Rat	>5 mg/l	4 hours
	mists			
	LD50 Oral	Rat	>15900 mg/kg	-
2,3-epoxypropyl neodecanoate	LD50 Dermal	Rat	3800 mg/kg	-
	LD50 Oral	Rat	9.6 g/kg	-
Solvent naphtha (petroleum), heavy	LC50 Inhalation Dusts and	Rat	>5.2 mg/l	4 hours
arom.	mists			
	LD50 Oral	Rat	>5 g/kg	-
ethanol	LC50 Inhalation Vapor	Rat	124700 mg/m ³	4 hours
	LD50 Dermal	Rat	17100 mg/kg	-
	LD50 Oral	Rat	7 g/kg	-

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

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin	Skin - Moderate irritant	Rabbit	-	-	-
	Eyes - Moderate irritant	Rabbit	-	-	-
	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 UI	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-

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

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Section 11. Toxicological information

Product/ingredient name	Route of exposure	Species	Result
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	skin	Mouse	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
Solvent naphtha (petroleum), heavy arom.	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Solvent naphtha (petroleum), heavy arom.	ASPIRATION HAZARD - Category 1

Potential chronic health effects

General : 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.

Additional information

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

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Section 11. Toxicological information

Chemical name	Common name	CAS#	GHS Classification
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	EPOXY RESIN	CAS: 25068-38-6	SKIN CORROSION/IRRITATION - Category 2
			SERIOUS EYE DAMAGE/ EYE
			IRRITATION - Category 2
			SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (LONG-TERM) -
			Category 2
Aluminium powder (stabilized)	ALUMINUM POWDER	CAS: 7429-90-5	FLAMMABLE SOLIDS - Category 1
			SUBSTANCES AND MIXTURES, WHICH
			IN CONTACT WITH WATER, EMIT
2.2 anavumranul	GLYCIDYL	CAS:	FLAMMABLE GASES - Category 2 SKIN SENSITIZATION - Category 1
2,3-epoxypropyl neodecanoate	NEODECANOATE	26761-45-5	SKIN SENSITIZATION - Category I
neododinado	1120020/1140/112	20701 10 0	GERM CELL MUTAGENICITY - Category 2
			AQUATIC HAZARD (LONG-TERM) -
			Category 2
Solvent naphtha	SOLVENT NAPHTHA	CAS:	SPECIFIC TARGET ORGAN TOXICITY
(petroleum), heavy arom.	(PETROLEUM), HEAVY AROMATIC	64742-94-5	(SINGLE EXPOSURE) (Narcotic effects) - Category 3
	AROMATIC		ASPIRATION HAZARD - Category 1
			AQUATIC HAZARD (LONG-TERM) -
			Category 2
ethanol	ETHYL ALCOHOL	CAS: 64-17-5	FLAMMABLE LIQUIDS - Category 2
			SERIOUS EYE DAMAGE/ EYE
			IRRITATION - Category 2
			CARCINOGENICITY - Category 2

Section 12. Ecological information

A. **Ecotoxicity**

Product/ingredient name	Result	Species	Exposure
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	Chronic NOEC 0.3 mg/l	Daphnia	21 days
2,3-epoxypropyl neodecanoate	Acute EC50 3.5 mg/l	Algae	96 hours
		Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours
Solvent naphtha (petroleum), heavy arom.	NOEL 0.48 mg/l Fresh water	Daphnia	21 days
ethanol	Acute EC50 7640 mg/l Fresh water	Daphnia - Daphnia magna	48 hours

B. Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	OECD 301F	5 % - 28 days	-	-

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Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
réaction product: bisphenol- A-(epichlorhydrin); epoxy resin	-	-	Not readily
2,3-epoxypropyl neodecanoate	-	-	Not readily
ethanol	-	-	Readily

C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	2.64 to 3.78	31	low
2,3-epoxypropyl neodecanoate	4.4	-	high
Solvent naphtha (petroleum), heavy arom.	2.8 to 6.5	-	high
ethanol	-0.35	-	low

D. Mobility in soil

Soil/water partition coefficient (Koc)

: 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

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Product name AMERLOCK 2 BASE ALUMINIUM

Section 14. Transport information

	UN	IMDG	IATA
A. UN number	UN3082	UN3082	UN3082
B. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin, 2,3-epoxypropyl neodecanoate)	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin, 2,3-epoxypropyl neodecanoate)	(reaction product: bisphenol- A-(epichlorhydrin); epoxy resin, 2,3-epoxypropyl neodecanoate)
C. Transport hazard class(es)	9	9	9
D. Packing group	III	III	III
Environmental hazards	Yes.	Yes.	Yes.
E. Marine pollutant substances	Not applicable.	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin, 2,3-epoxypropyl neodecanoate)	Not applicable.

Additional information

IATA

UN : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg,

provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg,

provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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

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.

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Section 15. Regulatory information

Article 2 of Youth Protection Act on Substances Hazardous : It is not allowed to sell to persons under the age of 19.

to Youth

Exposure Limits of Chemical Substances and Physical Factors

The following components have an OEL:

Aluminium powder (stabilized)

ethanol

ISHA Enforcement Regs: None of the components are listed.

Annex 19 (Exposure standards established for harmful factors)

ISHA Enforcement Regs

Annex 11-5 (Harmful factors subject to Work

Environment Measurement)

ISHA Enforcement Regs : The following components are listed: Aluminum and its compounds

Annex 22 (Harmful Factors Subject to Special Health Check-

up)

Standard of Industrial

Safety and Health **Annex 12 (Hazardous** substances subject to control)

: The following components are listed: aluminum and its compounds

: The following components are listed: aluminum and its compounds

B. Regulation according to Chemicals Control Act

CCA Article 11 (TRI) : The following components are listed: 4,4'-(1-Methylethylidene) bisphenol polymer

with (chloromethyl)oxirane, Aluminium and its compounds

CCA Article 18 Prohibited (K-Reach

Article 27)

: None of the components are listed.

: None of the components are listed.

CCA Article 19 Subject to authorization (K-

Reach Article 25)

CCA Article 20

Restricted (K-Reach

Article 27)

CCA Article 20 Toxic

Article 20)

Chemicals (K-Reach

Korea inventory

CCA Article 39 (Accident Precaution

Chemicals) C. <u>Dangerous Materials</u> Safety Management Act : None of the components are listed.

: Not applicable

: All components are listed or exempted.

: None of the components are listed.

: Not applicable.

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Section 15. Regulatory information

D. <u>Wastes regulation</u>: 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

NIER Notice

Registry of Toxic Effects of Chemical Substances (RTECS)

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

Retrieval) ECOTOX Database System.

B. Date of issue/Date of

revision

: 6/28/2021

C. Version : 5.01
Prepared by : EHS

D. 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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