

Date of issue 1/15/2020 (month/day/year)

Version 2.05

## Section 1. Chemical product and company identification

- A. Product name** : AMERCOAT 880 GLASSFLAKE ADDITIVE  
**Product code** : 00334867
- 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. Paint. Painting-related materials.  
**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  
Tel: +82-52-210-8222
- Email Address** : Korea.MSDS@PPG.COM
- Emergency telephone number:** : +82-52-210-8222

## Section 2. Hazards identification

- A. Hazard classification** : Not classified.

This product was evaluated in accordance with the Industrial Safety and Health Act and the Chemical Control Act, and determined to be 'not classified'.

**B. GHS label elements, including precautionary statements**

- Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.  
**Precautionary statements**
- Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.

- C. Other hazards which do not result in classification** : None known.

## Section 3. Composition/information on ingredients

### CAS number/other identifiers

CAS number : Not applicable.

Chemical name	Common name	Identifiers	%
<input checked="" type="checkbox"/> Glass, oxide, chemicals	GLASS OXIDES	CAS: 65997-17-3	90 - 100

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

- 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.
- B. 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.
- 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.

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** :  No specific fire or explosion hazard.
- Hazardous thermal decomposition products** : No specific data.

## Section 5. Fire-fighting measures

- 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. 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).
- C. Methods and materials for containment and cleaning up**
- Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. 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.
- 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 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. 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
Glass, oxide, chemicals	Ministry of Employment and Labor (Republic of Korea, 7/2018). TWA: 10 mg/m <sup>3</sup> 8 hours. Form: fibers

## Section 8. Exposure controls/personal protection

- Recommended monitoring procedures** : 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** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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** : Safety glasses with side shields.
- 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.
- 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. 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** : Solid.
- Color** : Not available.
- B. Odor** : Characteristic.
- C. Odor threshold** : Not available.
- D. pH** : Not available.
- E. Melting/freezing point** : Not available.
- F. Boiling point/boiling range** : Not available.
- G. Flash point** : Closed cup: Not applicable.
- H. Evaporation rate** : Not available.
- I. Flammability (solid, gas)** : Not available.

## Section 9. Physical and chemical properties

- J. Lower and upper explosive (flammable) limits : Not available.
- K. Vapor pressure : Not available.
- L. Solubility : Insoluble in the following materials: cold water.
- M. Vapor density : Not available.
- N. Relative density : 2.5
- O. Partition coefficient: n-octanol/water : Not available.
- P. Auto-ignition temperature : Not available.
- Q. Decomposition temperature : Not available.
- R. Viscosity : Kinematic (40°C (104°F)): Not applicable.
- S. 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 : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

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

### Potential acute health effects

- Inhalation :  No known significant effects or critical hazards.
- Ingestion :  No known significant effects or critical hazards.
- Skin contact :  No known significant effects or critical hazards.
- Eye contact :  No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Inhalation : No specific data.
- Ingestion : No specific data.
- Skin contact : No specific data.
- Eye contact : No specific data.

- B. Health hazards

## Section 11. Toxicological information

### Acute toxicity

Not available.

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

### Irritation/Corrosion

#### 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

#### 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)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Potential chronic health effects

**General** :  No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Additional information

Emits toxic fumes when heated.

## Section 11. Toxicological information

Chemical name	Common name	CAS #	GHS Classification
glass, oxide, chemicals	GLASS OXIDES	65997-17-3	Not classified.

## Section 12. Ecological information

### A. Ecotoxicity

Not available.

### B. Persistence and degradability

Not available.

### C. Bioaccumulative potential

Not available.

### D. Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ ) : 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. 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

	UN	IMDG	IATA
<b>A. UN number</b>	Not regulated.	Not regulated.	Not regulated.
<b>B. UN proper shipping name</b>	-	-	-
<b>C. Transport hazard class(es)</b>	-	-	-
<b>D. Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.

## Section 14. Transport information

<b>E. Marine pollutant substances</b>	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

**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.

## Section 15. Regulatory information

### A. Regulation according to ISHA

**ISHA article 37 (Harmful substances prohibited from manufacture)** : None of the components are listed.

**ISHA article 38 (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:

Glass, oxide, chemicals

**ISHA Enforcement Regs Annex 11-3 (Exposure standards established for harmful factors)** : None of the components are listed.

**ISHA Enforcement Regs Annex 11-5 (Harmful factors subject to Work Environment Measurement)** : The following components are listed: Glass fiber dust

**ISHA Enforcement Regs Annex 12-2 (Harmful Factors Subject to Special Health Check-up)** : The following components are listed: Glass fiber dust

**Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control)** : None of the components are listed.

### B. Regulation according to Chemicals Control Act



## Section 15. Regulatory information

- CCA Article 20 Toxic Chemicals (K-Reach Article 20) : Not applicable
- CCA Article 18 Prohibited (K-Reach Article 27) : None of the components are listed.
- CCA Article 20 Restricted (K-Reach Article 27) : None of the components are listed.
- CCA Article 11 (TRI) Korea inventory : None of the components are listed.  
: All components are listed or exempted.
- CCA Article 39 (Accident Precaution Chemicals) : None of the components are listed.
- C. Dangerous Materials Safety Management Act : Not applicable.
- 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  
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 : 1/15/2020
- C. Version : 2.05  
Prepared by : EHS
- D. Other

### Procedure used to derive the classification

Classification	Justification
Not classified.	

☑ 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.*