

Date of issue 5/26/2022 (month/day/year)

Version 1

## Section 1. Chemical product and company identification

A. **Product name** : PPG AQUACOVER ONE 625 BUFF  
**Product code** : 000001192153

**Other means of identification**

00463631; 00463664

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 or Importer'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** : CARCINOGENICITY - 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**

**Symbol** : 

**Signal word** : Warning

**Hazard statements** : H351 - Suspected of causing cancer.  
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.  
P273 - Avoid release to the environment.

## Section 2. Hazards identification

- Response** : P391 - Collect spillage.  
P308 + P313 - IF exposed or concerned: 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** : Contains isothiazolinones. May cause allergic reaction.

## Section 3. Composition/information on ingredients

### CAS number/other identifiers

- CAS number** : Not applicable.

Chemical name	Common name	Identifiers	%
titanium dioxide	TITANIUM DIOXIDE	CAS: 13463-67-7	5 - <10
trizinc bis(orthophosphate)	ZINC ORTHOPHOSPHATE	CAS: 7779-90-0	5 - <10
Talc , not containing asbestiform fibres	Talc, non-asbestos form	CAS: 14807-96-6	1 - <5
2-(2-butoxyethoxy)ethanol	2-(2-BUTOXYETHOXY)ETHANOL	CAS: 112-34-5	1 - <5
iron hydroxide oxide yellow	IRON HYDROXIDE OXIDE	CAS: 51274-00-1	1 - <5
zinc oxide	ZINC OXIDE	CAS: 1314-13-2	0.1 - <1
partially fluorinated alcohol, reaction products	partially fluorinated alcohol, reaction products	CAS: SUB120652	<0.1
pyrithione zinc	pyrithione zinc	CAS: 13463-41-7	<0.1

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.
- 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.

## Section 4. First aid measures

**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.

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  
phosphorus oxides  
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

**Small spill** : 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.

## Section 6. Accidental release measures

- 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). 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 ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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: 5 to 35°C (41 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
titanium dioxide	<b>Ministry of Employment and Labor (Republic of Korea, 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: total dust with less than 1% of free SiO <sub>2</sub>
Talc , not containing asbestiform fibres	<b>Ministry of Employment and Labor (Republic of Korea, 1/2020).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: fibers
2-(2-butoxyethoxy)ethanol	<b>Ministry of Employment and Labor (Republic of Korea, 1/2020).</b> TWA: 10 ppm 8 hours.
iron hydroxide oxide yellow	<b>Ministry of Employment and Labor (Republic of Korea, 1/2020).</b> TWA: 5 mg/m <sup>3</sup> , (as Fe) 8 hours. Form: Fume
zinc oxide	<b>Ministry of Employment and Labor (Republic of Korea, 1/2020).</b> TWA: 5 mg/m <sup>3</sup> , (as Fe) 8 hours. <b>Ministry of Employment and Labor (Republic of Korea, 1/2020).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable dust

## Section 8. Exposure controls/personal protection

STEL: 10 mg/m<sup>3</sup> 15 minutes.  
TWA: 5 mg/m<sup>3</sup> 8 hours.

### 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

: 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

: 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. 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

: For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber, Chloroprene, 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. 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 : Beige.

B. Odor : Odorless.

C. Odor threshold : Not available.

D. pH : Not available.

E. Melting/freezing point : Not available.

F. Boiling point/boiling range : >37.78°C (>100°F)

G. Flash point : Closed cup: 120°C (248°F)

H. Evaporation rate : Not available.

I. Flammability (solid, gas) : Not available.

J. Lower and upper explosive (flammable) limits : Greatest known range: Lower: 0.8% Upper: 9.4% (2-(2-butoxyethoxy)ethanol)

K. Vapor pressure :

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
water	23.8	3.2				

L. Solubility : Partially soluble in the following materials: cold water.

Solubility in water : Not available.

M. Vapor density : Not available.

N. Relative density : 1.2

O. Partition coefficient: n-octanol/water : Not applicable.

P. Auto-ignition temperature :

Ingredient name	°C	°F	Method
2-(2-butoxyethoxy)ethanol	210	410	DIN 51794

Q. Decomposition temperature : Not available.

R. Viscosity : Kinematic (40°C (104°F)): >21 mm<sup>2</sup>/s (>21 cSt)

Flow time (ISO 2431) : Not available.

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** : Depending on conditions, decomposition products may include the following materials: carbon oxides phosphorus oxides metal oxide/oxides

## 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

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
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	-
trizinc bis(orthophosphate)	LC50 Inhalation Dusts and mists	Rat	>5.7 mg/l	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
2-(2-butoxyethoxy)ethanol	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
iron hydroxide oxide yellow	LC50 Inhalation Dusts and mists	Rat	>5.05 mg/l	4 hours
	LD50 Oral	Rat	>10 g/kg	-
zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5700 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
partially fluorinated alcohol, reaction	LD50 Oral	Rat	>5000 mg/kg	-
	LC50 Inhalation Dusts and	Rat	0.047 mg/l	4 hours

**Section 11. Toxicological information**

products pyrithione zinc	mists	Rat	0.14 mg/l	4 hours
	LC50 Inhalation Dusts and mists	Rabbit	>2 g/kg	-
	LD50 Dermal LD50 Oral	Rat	177 mg/kg	-

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

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
pyrithione zinc	Eyes - Cornea opacity	Rabbit	4	24 hours	24 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****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
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation

**Specific target organ toxicity (repeated exposure)**

Name	Classification	Route of exposure	Target organs
partially fluorinated alcohol, reaction products	Category 2	oral	liver
pyrithione zinc	Category 1	-	-

**Aspiration hazard**

Not available.



## Section 11. Toxicological information

### Potential chronic health effects

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

### Additional information

Sanding and grinding dusts may be harmful if inhaled. Contains isothiazolinones. May cause allergic reaction.

Chemical name	Identifiers	GHS Classification
titanium dioxide trizinc bis(orthophosphate)	CAS: 13463-67-7 CAS: 7779-90-0	CARCINOGENICITY - Category 2 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
Talc , not containing asbestiform fibres	CAS: 14807-96-6	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
2-(2-butoxyethoxy)ethanol	CAS: 112-34-5	FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2A
iron hydroxide oxide yellow zinc oxide	CAS: 51274-00-1 CAS: 1314-13-2	Not classified. AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
partially fluorinated alcohol, reaction products	CAS: SUB120652	ACUTE TOXICITY (inhalation) - Category 1
pyrithione zinc	CAS: 13463-41-7	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 1 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (inhalation) - Category 2 SERIOUS EYE DAMAGE - Category 1 TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1

## Section 12. Ecological information

### A. Ecotoxicity

Product/ingredient name	Result	Species	Exposure
titanium dioxide trizinc bis(orthophosphate)	Acute LC50 >100 mg/l Fresh water Acute LC50 0.112 mg/l Chronic NOEC 0.026 mg/l	Daphnia - Daphnia magna Fish Fish	48 hours 96 hours 30 days
iron hydroxide oxide yellow zinc oxide	Acute LC50 >100000 mg/l Acute EC50 0.17 mg/l Acute EC50 0.481 mg/l Fresh water	Fish Algae Daphnia - Daphnia magna - Neonate	96 hours 72 hours 48 hours
pyrithione zinc	Chronic NOEC 0.017 mg/l Fresh water Acute EC50 5.513 µg/l Marine water Acute LC50 0.0082 mg/l Chronic NOEC 1.889 µg/l Marine water	Algae Algae - Nitzschia pungens Daphnia Algae - Nitzschia pungens	72 hours 96 hours 48 hours 96 hours

## Section 12. Ecological information

	Chronic NOEC 0.0027 mg/l	Daphnia	21 days
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### B. Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
pyrithione zinc	-	39 % - 28 days	-	-

  

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
partially fluorinated alcohol, reaction products	-	-	Not readily
pyrithione zinc	-	50%; < 28 day(s)	Not readily

### C. Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
2-(2-butoxyethoxy)ethanol	1	-	low
pyrithione zinc	0.9	0.9	low

### D. Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : 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

	UN	IMDG	IATA
<b>A. UN number</b>	UN3082	UN3082	UN3082
<b>B. UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))

**Section 14. Transport information**

<b>C. Transport hazard class(es)</b>	9	9	9
<b>D. Packing group</b>	III	III	III
<b>Environmental hazards</b>	Yes.	Yes.	Yes.
<b>E. Marine pollutant substances</b>	Not applicable.	(trizinc bis(orthophosphate))	Not applicable.

**Additional information**

- 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.
- IATA** : 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 to IMO instruments** : Not applicable.

**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:

titanium dioxide

Talc , not containing asbestiform fibres

2-(2-butoxyethoxy)ethanol

iron hydroxide oxide yellow

zinc oxide

## Section 15. Regulatory information

**ISHA Enforcement Regs** : None of the components are listed.

**Annex 19 (Exposure standards established for harmful factors)**

**ISHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment Measurement)** : The following components are listed: titanium dioxide, talc / soapstone, iron oxide

**Annex 21 (Harmful factors subject to Work Environment Measurement)**

**ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check-up)** : The following components are listed: Iron oxide (dust, fume)

**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: titanium dioxide, zinc and its compounds, iron and its compounds

**Annex 12 (Hazardous substances subject to control)**

### B. Regulation according to Chemicals Control Act

**CCA Article 11 (TRI)** : The following components are listed: Zinc and its compounds

**Article 18 Prohibited (K-Reach Article 27)** : None of the components are listed.

**Article 19 Subject to authorization (K-Reach Article 25)** : None of the components are listed.

**Article 20 Restricted (K-Reach Article 27)** : None of the components are listed.

**Article 20 Toxic Chemicals (K-Reach Article 20)** : Not applicable

**Korea inventory** : All components are listed or exempted.

**CCA Article 39 (Accident Precaution Chemicals)** : None of the components are listed.

C. Dangerous Materials Safety Management Act : **Class:** Class 4 - Flammable Liquid  
**Item:** 5. Class 3 petroleums - Water soluble liquid  
**Threshold:** 4000 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  
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** : 5/26/2022
- C. Version** : 1  
**Prepared by** : EHS
- D. Other**

☑ Indicates information that has changed from previously issued version.

### Disclaimer

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