

Material Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product Name : Antilight PT 40W
Manufacture's name : Goldleben
Address : 505, Business center, Sangdang-gu naeduk-dong 36
Cheongju University, Cheongju, Chung-buk, South Korea
Tel : +82-43-260-0710
Fax : +82-43-260-0723

SECTION 2. HAZARDS IDENTIFICATION

Consideration of the composition of this product indicates that it does not present a significant health hazard to users.

Eye contact Unlikely to cause eye irritation in man.

Skin contact Unlikely to cause skin irritation in man.

Inhalation Unlikely to be hazardous by inhalation.

Ingestion Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI Name	Cas No.	%
Titanium dioxide	13463-67-7	40
Water	7732-18-5	30
Glycerin	56-81-5	15
Oleth-10	9004-98-2	5
Aluminum hydroxide	1333-84-2	4
Stearic acid	57-11-4	4
Phenoxy ethanol	122-99-6	2

SECTION 4. FIRST AID MEASURES

Eye contact Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.

Skin contact Remove contaminated clothing. Wash skin with soap and water. If symptoms develop, obtain medical attention.

Inhalation Remove patient from exposure. Obtain medical attention if ill effects occur.

Ingestion Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention if ill effects occur.

Further Medical Treatment Symptomatic treatment and supportive therapy as indicated.

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SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media Water fog, alcohol foam, carbon dioxide, dry chemical.
Unsuitable Extinguishing Media None known
Special fire-fighting protective equipment A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.
Explosion data
Sensitivity to mechanical impact: No data.
Sensitivity to static discharge: No data.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Refer to section 8 for proper personal protective equipment
Environmental precautions Do not allow to enter drains, sewers or watercourses.
Methods for cleaning up Contain spillages with sand, earth or any suitable adsorbent material.
 Transfer to a container for disposal.
 Wash the spillage area clean with water and detergent.
Other information Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 7. HANDING AND STORAGE

Storage Store in original containers.

SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure limit values

Chemical name	Exposure limit values	Notes
Titanium dioxide	10 mg/m ³ TWA (total inhalable dust); 4 mg/m ³ TWA (respirable dust)	
Aluminum oxide	10 mg/m ³ TWA (total inhalable dust); 4 mg/m ³ TWA (respirable dust)	
Silica, amorphous	6 mg/m ³ TWA (total inhalable dust); 2.4 mg/m ³ TWA (respirable dust)	

Engineering measures Provide adequate ventilation.
Eye protection Safety glasses with side shields.
Skin protection Good working practice suggests gloves should be worn.
Respiratory protection Respiratory protection is not required if good ventilation is maintained
Other Eyewash and safety shower easily accessible to the work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : White viscous Liquid
 Odour : Product specific
 pH : No data.
 Boiling point/boiling range (°C) : No data.
 Flash Point (°C) : no flash point due to high water content
 Autoignition Temperature (°C) : No data.
 Flammable Limits : No data.
 Explosive Properties : No data.
 Oxidising Properties : No data.

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Vapour Density : No data.
Specific Gravity : No data.
Solubility in water : No data.
Partition Coefficient : No data.

SECTION 10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.
Materials to avoid Strong oxidizing agents
Conditions to avoid None known
Hazardous decomposition products None known
Hazardous polymerisation Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

No information available.

SECTION 12. ECOLOGICAL INFORMATION

No information available.

SECTION 13. DISPOSAL CONSIDERATION

Methods of Disposal Disposal should be in accordance with local, state or national legislation.

SECTION 14. TRANSPORT INFORMATION

Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA-DGR.

SECTION 15. REGULATORY INFORMATION

Not Classified as Dangerous for Supply/Use.

WGK 1

Inventory Status

EU Compliant.

USA Compliant.

Canada Compliant.

Australia Compliant.

China Compliant.

Korea Compliant.

Philippines Compliant.

SECTION 16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive 2001/58/EC