Material Safety Data Sheet

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

Product Name : Antilight TI 330D5
Manufacture's name : Goldleben
Address : 505, Business center, Sangdang-gu naeduk-dong 36
Cheongju University, Cheongju, Chung-buk, South Korea
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SECTION 2. HAZARDS IDENTIFICATION

Hazardous Reactions : incompatible materials : storong acids, strong bases, strong oxidising agents
Hazardous Decomposition Product(S) : See Section 5

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI Name	Cas No.	%
Titanium dioxide	13463-67-7	33.0
Cyclopentasiloxane	541-02-6	50.0
PEG-9 Polydimethylsiloxyethyl Dimethicone	-	10.0
Aluminum hydroxide	1333-84-2	4.0
Stearic acid	57-11-4	3.0

SECTION 4. FIRST AID MEASURES

Inhalation : Remove patient from exposure, keep warm and at rest.
Obtain medical attention if ill effects occur.
Skin Contact : Remove contaminated clothing.
Wash skin with water.
If symptoms develop, obtain medical attention.
Eye Contact : Irrigate with eyewash solution or clean water, holding the eyelids aparts, for at least 10 minutes.
Obtain medical attention
Ingestion : Do not induce vomting.
Wash out mouth with water and give 200-300 ml (half a point) of water to drink.
Obtain medical attention if ill effects occur.

Further Medical treatment

Symptomatic treatment and suppotive therapy as indicated.

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SECTION 5. FIRE-FIGHTING MEASURES

Combustible but not readily ignited.
Thermal decomposition wll evolve irritant vapours.
Combustion products : carbon monoxide, carbon dioxide
Extinguishing Media : carbon dioxide or dry powder
use water fog to cool below flash point.
Fire Fighting Protective Equipment : A self contained breathing apparatus suitable protective clothing should be worn in fire condtions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Do not allow to enter drains, sewers or watercourses.
Adsorb spillages onto snad, eath or any suitable adsorbent material.
Transfer to a container for diposal.
Wash the spillge area clean.
spillages or unconteolled dicharges into watercourses must be alerted to the apropriate regulatory body.

SECTION 7. HANDING AND STORAGE

7.1 HANDING
Avoi contact with eyes.
7.2 STORAGE
Unsuitable containers : polystyrene
Storage Temperature : above 0 Deg C
protect from exremes of tempereature.

SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Wear protective equipment to comply with good occupationalhygiene practice.
Good working practice suggests gloves and goggles should be worm.

Occupational Exposure Limits

HAZARDOUS INGREDIENT(s)	**LTEL 8hr ppm**	**TWA mg/m³**	**STEL ppm**	**STEL mg/m³**	**Notes**
tiannium Dioxide					
(Total lnalable)	-	10	-	-	OES
(Respirable dust)	-	4	-	-	OES
Aluminium oxide					
(Total Inhalable Dust)	-	10	-	-	OES
(Reapiable)	-	4	-	-	OES

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : White viscous Liquid
Odour : Product specific
pH : No data.
Boiling point/boiling range (℃) : No data.
Flash Point (ºC) : >160
Autoignition Temperature (ºC) : No data.
Flammable Limits : No data.
Explosive Properties : No data.
Oxidising Properties : No data.

Vapour Density : No data.
Specific Gravity : No data.
Solubility in water : Insoluble
Partition Coefficient : No data.
Specific Gravity : 0.9 – 1.9

SECTION 10. STABILITY AND REACTIVITY

Hazardous Reactions : incompatible materials : strong acids, strong bases, strong oxidising agents
Hazardous Decomposition Product(S) : See Section 5

SECTION 11. TOXICOLOGICAL INFORMATION

This health hazard assessment is based on information available on the components of the formulation and tests on the product.

Inhalation
Unlikely to be hazardous by inhalation.

Skin Contact
Human Patch testing suggests the material is unlikely to be a skin sensitiser.
Human Patch testing suggests the material is unlikely to be a skin irritant.

Eye Contact
May cause eye irritation.

Ingestion
Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.
Oral Median Lethal Dose > 2000 mg/kg (rat).

Long term Exposure
The following information is based on a consideration of the properties of the main component of this mixture.
There is no evidence of mutagenic potential.

SECTION 12. ECOLOGICAL INFORMATION

This environmental hazard assessment is based on information available on the components of the formulation.

Environmental Fate and Distribution.
No information on this formulation.

Persistence and Degradation
No information on this formulation.

Toxicity
No information on this formulation.

WGK number
WGK 2

Effect on Effluent Treatment
No information on this formulation.

SECTION 13. DISPOSAL CONSIDERATION

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

SECTION 14. TRANSPORT INFORMATION

No Classified as Hazardous for Transport.

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SECTION 15. REGULATORY INFORMATION
No Classified as Hazardous to Users.
SECTION 16. OTHER INFORMATION
this data sheet was prepared in accordance with Directive 93/112/EC.