

# Material Safety Data Sheet

## 1. Product and Manufacturer Identification

Product name : ZGL-00105 Mica Silver  
 INCI name: Mica (and) Titanium Dioxide  
 Product description : Off white free flowing powder

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## 2. Hazardous identification

Hazard symbol: Not applicable  
 Risk phrases : Not applicable  
 Safety phrases : 38 39

## 3. Product ingredients composition / information

Components	Approx. %	CAS#	EINECS#
Mica	78.0	12001-26-2	310-127-6
TiO <sub>2</sub>	22.0	13463-67-7	236-675-5

## 4. First aid measures

Eye : Flush eyes thoroughly with large amounts of water.  
 If irritation occurs, consult physician.

Skin : Wash skin with soap and water.  
 If irritation occurs, consult physician.

Inhalation : Move to fresh air.  
 If breathing is difficult get medical attention.

Ingestion : No specific antidote is necessary.  
 If person is conscious, wash mouth with water.

**5. Fire fighting measures**

Conditions of flammability : Product is not flammable.  
 Extinguishing media : Use extinguishing media appropriate to surrounding fire conditions.  
 Special fire-fighting procedures : Self-contained breathing apparatus (SCBA) and full protective equipment recommended.  
 Unusual fire and explosion hazards : Emits toxic fumes under fire conditions.

**6. Accidental release measures**

Steps to be taken if the material is spilled or released :Shovel into containers and dispose.  
 Environmental Precautions :Prevent contamination of soil, drains and surface waters.  
 Waste disposal: Inert materials such as sand may be added to control dusting.  
 Industrial grade vacuum sweepers recommended.  
 Place spilled material into appropriate waste containers.

**7. Handling and storage**

Handling : Avoid dust formation  
 Storage : Store in a moderate dry, well ventilated area. Store in original container, securely closed.

**8. Exposure controls and personal protection**

Hazardous Component	OSHA PEL mg/m3	ACGIH TLV mg/m3	DFG MAK mg/m3	OTHER mg/m3
Mica	3c	3c	N/A	N/A
Titanium Dioxide	10q	10q	6c	N/A

c. respirable dust  
 q. total dust  
 N/A = Not available

**PERSONAL PROTECTION**

Respiratory : Normally not needed. If dusty, use approved dust respirator.  
 Ventilation : Provide general dilution or local exhaust ventilation.  
 Gloves : Chemical resistant.  
 Eye : Chemical goggles  
 Other : Safety eye wash / Safety shower

**9. Physical and Chemical properties**

Physical state :Solid  
 Odor and Appearance : Off white powder, no odor  
 Boiling range : N/A  
 Freezing range : N/A  
 Solubility in water : Insoluble  
 Vapour pressure : N/A  
 Flash point : N/A  
 Explosive properties : N/A  
 pH value : 6.0 - 9.0 (10% in H2O)  
 Viscosity : N/A

**10. Stability and reactivity**

Stability : Stable  
 Conditions to avoid : Avoid heavy dusting  
 Materials to avoid : None known  
  
 Hazardous decomposition products: None known

**11. Toxicological information**

Routes of entry: Eyes, inhalation, ingestion.  
 Short term exposure: Persistent cough, difficulty in breathing  
 Long term exposure: None known  
 Chronic toxicity : None known  
 Carcinogenicity: None known  
 Mutagenicity: None known

**12. Ecological information**

This product has not been evaluated for its ecotoxicity. However, the biodegradation of this product under aerobic conditions is expected to be very poor and there is no evidence to suggest they create any ecological problems when released into the environment. Since this product is insoluble, it is believed to have minimal bioaccumulation and bioavailability characteristics.

**13. Disposal considerations**

Follow all federal, state and local environmental regulations.

**14. Transportation information**

RID/ADR :	Not regulated
IMDG-code :	Not regulated
IATA :	Not regulated
UN number :	None

**15. Regulatory information**

Contains :	Pigment
EEC symbol :	Not applicable
Risk phrases :	Not applicable
Safety phrases :	S38 In case of insufficient ventilation, wear suitable respiratory equipment.
	S39 Wear eye / face protection.

**16. Other Information**

Safety Data Sheet according to 1907/2006/EC

This product should be stored and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained in this MSDS is based on data from sources considered to be reliable, but Gildewerk BV does not guarantee the accuracy or completeness thereof. Gildewerk BV urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention as necessary or appropriate to use and understand the data in this Material Safety Data Sheet.