

## Material Safety Data Sheet

### 1. Product and Manufacturer Identification

Product name : ZGL-00155 Mica Gold  
 Inci name : Mica (and) Titanium Dioxide (and) CI 77491  
 Product description : Gold free flowing powder

Address : Gildewerk bv  
 A. Hofmanweg 41  
 2031 BH Haarlem  
 Nederland

Telephone : Tel. 31 - (0)23 - 532 22 55  
 Fax : Fax 31 - (0)23 - 534 09 65  
 E-mail : E-mail: holland@gildewerk.com

### 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	57.0	12001-26-2	310-127-6
TiO <sub>2</sub>	37.0	13463-67-7	236-675-5
Fe <sub>2</sub> O <sub>3</sub>	6.0	1309-37-1	215-168-2

### 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
Fe <sub>2</sub> O <sub>3</sub>	10d	5u	6y	N/A

c. respirable dust

q. total dust

N/A = Not available

d. total dust as nuisance particulates

u. as Fe

y. (fume)

### 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 :	Gold 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 - 10.0 (10% in H <sub>2</sub> O)
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.