Safety data sheet
Mearlin® Super Gold 9230Z

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

CAS Number	Content (W/W)	Chemical name
12001-26-2	53.0 - 64.0 %	Mica-group minerals
1317-80-2	36.0 - 46.0 %	Rutile (TiO2)
18282-10-5	0.2 - 2.0 %	Tin oxide (SnO2)

3. Hazard identification

Emergency overview

CAUTION: PROLONGED OR REPEATED EXPOSURE TO DUST MAY CAUSE PULMONARY PROBLEMS.

Potential health effects

Primary routes of exposure
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Irritation:
Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficuties. Contact with the eyes or skin may cause mechanical irritation.

Repeated dose toxicity:
Prolonged or repeated exposure may cause pulmonary problems.

Medical conditions aggravated by overexposure:
Inhalation of dust could aggravate existing respiratory conditions.

Potential environmental effects

Aquatic toxicity:
At the present state of knowledge, no negative ecological effects are expected.

4. First-aid measures

General advice:
Remove contaminated clothing.

If inhaled:
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Wash thoroughly with soap and water.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:
Rinse mouth and then drink plenty of water.

Note to physician

Symptoms:	allergic symptoms, respiratory disorders
Treatment:	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Autoignition: not applicable
Flammability: does not ignite

Suitable extinguishing media:
dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

If exposed to fire, keep containers cool by spraying with water.

6. Accidental release measures

Personal precautions:
Avoid dust formation.

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

Environmental precautions:
Do not empty into drains.

This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

Cleanup:

For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Pick up with suitable appliance and dispose of.

Spills should be contained and placed in suitable containers for disposal.

Further information:
Forms slippery surfaces with water.

7. Handling and storage

Handling

General advice:
Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid contact with the skin, eyes and clothing.

Avoid dust formation. Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:
No special precautions necessary.

See MSDS section 5 - Fire fighting measures. Prevent electrostatic charge accumulation.

Storage

General advice:
Keep in a cool place. Keep container dry.

8. Exposure controls and personal protection

Components with workplace control parameters

Mica-group minerals	OSHA	TWA value 20 millions of particles per cubic foot of air ;
	ACGIH	TWA value 3 mg/m3 Respirable fraction ;
Tin oxide (SnO2)		
	ACGIH	TWA value 2 mg/m3 (tin (Sn));

Personal protective equipment

Respiratory protection:
Observe OSHA regulations for respirator use (29 CFR 1910.134). Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Safety glasses with side-shields.

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.

9. Physical and chemical properties

Form:	powder	
Odour:	odourless	
Colour:	off-white with pale yellow reflection	
pH value:	7 - 11	(40 g/l, 20 °C) (DIN EN ISO 787-9)
Melting point:		The substance / product decomposes.
Density:	3.2 g/cm3	(25 °C)
Relative density:	3.2	
Bulk density:	210 kg/m3	
Particle size:	6 - 48 µm	
Solubility in water:		insoluble

10. Stability and reactivity

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.
Hazardous polymerization will not occur.

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
No data available.

11. Toxicological information

Acute toxicity

Oral:
LD50/rat: > 2,000 mg/kg
The product has not been tested. The statement has been derived from the properties of the individual components.

Skin irritation:
May cause mechanical irritation.

eye irritation :
May cause mechanical irritation.

12. Ecological information

Environmental fate and transport

Biodegradation:
Evaluation: The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Environmental toxicity

Other ecotoxicological advice:
The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

13. Disposal considerations

Waste disposal of substance:
Must be dumped or incinerated in accordance with local regulations.
Dispose of in a licensed facility.
Do not discharge into drains/surface waters/groundwater.
It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:
Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:
TSCA, US released / listed

OSHA hazard category: OSHA PEL established, ACGIH TLV established

SARA hazard categories (EPCRA 311/312): Acute

State regulations

State RTK

CAS Number	Chemical name	State RTK
12001-26-2	Mica-group minerals	MA, NJ, PA
1317-80-2	Rutile (TiO2)	PA
18282-10-5	Tin oxide (SnO2)	MA

16. Other information

HMIS III rating
Health: 1 Flammability: 0 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information
Prod_Reg@basf.com

Due to the merger of Engelhard Corp. and BASFGroup all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.
END OF DATA SHEET