

Material Safety Data Sheet

Gold powder

Revision Date: 08/11/2019

Date Issued: 8/14/2019

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Gold powder
Product code	NM-0002
CAS	7440-57-5
REACH No. :	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
Identified uses	Laboratory chemicals, Manufacture of substances
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131 - 89839-0
Fax	+49 (0)7131 - 89839-109
Emergency telephone	+49 (0)176 - 84850874
Email	msds@iolitec.de

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or
1999/45/EC.

Not a dangerous substance according to GHS.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008, GHS)

Not a dangerous substance according to GHS.

Label for supply none

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/
vapours/ spray .

Labelling (67/548/EEC or 1999/45/EC)

Label for supply none

S-phrase(s)

S36/37/39 Wear suitable protective clothing, gloves and
eye/face protection.

Caution - substance not yet tested completely.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(R/No.)
Gold	99.99%		Substance not yet fully tested!
Formula	Molecular Weight		
Au	196.97 g/mol		

4 FIRST AID MEASURES

General Contaminated clothing should be removed
and washed before being reused.

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Inhalation	Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen.
Ingestion	Immediately rinse mouth and provide fresh air. Get medical attention immediately.
Skin	Wash the skin immediately with water.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse for at least 15 minutes.

5 FIRE FIGHTING MEASURES

Extinguishing media	Use: Water spray, fog or mist. Carbon dioxides (CO ₂). Dry chemicals, sand, dolomite etc.
Special fire fighting procedures	No special procedures required.
Unusual fire & explosion hazards	
Protective measures in fire	Wear self-contained breathing apparatus as combustion may produce hazardous fumes.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions during spill	Wear protective clothing and avoid inhalation of metal powder, fume and vapor as well as skin or eye contact.
Precautions to protect environment	Avoid washing into water courses. Avoid contaminating public drains or water supply.

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Spill cleanup methods

Avoid contact with skin or inhalation of spillage, dust or vapor, Avoid dust formation. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

7 HANDLING AND STORAGE

Usage precautions

Keep away from heat, sparks and open flame. Do not use in confined spaces without adequate ventilation and/or respirator.

Storage precautions

Store at moderate temperatures in dry, well ventilated area.

Storage criteria

Chemical storage.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid
Color	Brown
Odor/taste	No characteristic odor.
Melting Point	1064°C
Boiling Point	2808°C

10 STABILITY AND REACTIVITY

Stability	No particular stability concerns.
Conditions to avoid	Gold plus ammonia may produce fulminate like compounds that explode when dried. Finely divided gold and strong hydrogen peroxide solution may explode.
Hazardous Decomposition Products	High temperatures generate: Corrosive gases/vapor/fumes of: Oxygen (O ₂).

11 TOXICOLOGICAL INFORMATION

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Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Subacute to chronic toxicity

no data available

Potential health effects

Ingestion no data available

Inhalation no data available

Skin no data available

Eyes no data available

Additional Information

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RTECS: Not available

Full Data on the toxicity of this product are not available. Hazardous properties cannot be excluded.

12 ECOLOGICAL INFORMATION

Environmental hazards

Avoid washing into water courses. Avoid contaminating public drains or water supply.

13 DISPOSAL CONSIDERATIONS

Disposal method

Non-hazardous waste according to Waste Catalogue Ordinance (AVV). If there is no way of recycling it must be disposed of in compliance with the respective national and local regulations.

14 TRANSPORT INFORMATION

General

Not classified as dangerous for transport purposes.

Road transport notes

Not classified as dangerous for road transport.

Rail transport notes

Not classified as dangerous for rail transport.

Sea transport notes

Not classified as dangerous for sea transport.

Air transport notes

Not classified as dangerous for air transport.

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15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

Chemical Safety Assessment

no data available

Country specific information:

Germany

non-hazardous to waters
(Self-Classification)

16 OTHER INFORMATION

DISCLAIMER

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