

**MATERIAL SAFETY DATA SHEET**

<b>Product Name</b>	<b>ANTIMONY SULPHIDE GOLDEN (Antimony Pentasulphide)</b>
---------------------	----------------------------------------------------------

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : ANTIMONY SULPHIDE GOLDEN

Product code : A0290

Identification of the product: ANTIMONY SULPHIDE GOLDEN

CAS No : 1315-04-4

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Use: Industrial. For professional use only.

**1.3 Details of the supplier of the safety data sheet**

Company identification: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

**2. Hazards identification -DSD**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable solids,

H228 Category 1

Acute toxicity (oral),

H302 Category 4

Acute toxicity H332

(inhalation:gas) Category 4

Hazardous to the aquatic

environment — Chronic

H411 Hazard, Category 2

Classification according to Directive 67/548/EEC or 1999/45/EC

Adverse physicochemical, human health and environmental effects

No additional information available

**2.2 Label element**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Symbol(s) : Xn: Harmful



**R Phrase(s)** : R31. Contact with acids liberates toxic gas.

R36/37/38 Irritating to eyes, respiratory system and skin.

**S Phrase(s)** : S36. Wear suitable protective clothing

S26. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H228 - Flammable solid

H302+H332 - Harmful if swallowed or if inhaled H411

- Toxic to aquatic life with long lasting effects

**Precautionary statements :** P210 - Keep away from heat, hot surfaces, sparks. - No smoking

P273 - Avoid release to the environment

### **2.3 Other hazards**

No additional information available

### **3. Composition/information on ingredients**

**Substance / Preparation:** Antimony sulphide golden

CAS No : 1315-04-4

Substance.

Contains no other components or impurities which will influence the classification of the product.

### **4. First aid measures**

#### **4.1 Description of first aid measures**

**First-aid measures after inhalation :** Assure fresh air breathing.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**First-aid measures after skin contact :** Wash with plenty of soap and water.

Wash contaminated clothing before reuse. Get medical advice/attention.

**First-aid measures after eye contact :** Remove contact lenses, if present and easy to do.

Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

**First-aid measures after ingestion :** Rinse mouth out with water. Do not induce vomiting

#### **4.2 Most important symptoms and effects, both acute and delayed**

Symptoms/injuries after inhalation : Harmful if inhaled.

Symptoms/injuries after ingestion : Harmful if swallowed.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### **5. Fire-fighting measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing media :** Carbon dioxide. Dry powder. Foam. Water spray.

**Unsuitable extinguishing media :** Do not use a heavy water stream.

#### **5.2 Specific hazards arising from the substance or mixture**

**Fire hazard :** Flammable solid

**Explosion hazard :** May form flammable/explosive vapour-air mixture.

#### **5.3 Advice for fire-fighters**

**Protection during firefighting :** Do not enter fire area without proper protective equipment, including respiratory protection.

### **6. Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

**General measures :**

Remove ignition sources.

Use special care to avoid static electric charges.

No naked lights. No smoking.

**For emergency responders:**

Protective equipment: Use personal protective equipment as required.

Emergency procedures: Ventilate area.

**For non-emergency personnel:**

Emergency procedure: Evacuate unnecessary personnel.

**6.2 Environmental precautions**

Toxic to aquatic life with long lasting effects.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

**6.4 Reference to other sections**

No additional information available

**7. Handling and storage**

**7.1 Precautions for safe handling**

**Additional hazards when processed :** Handle empty containers with care because residual vapours are flammable.

**Precautions for safe handling :** Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid contact with skin and eyes. Do not breathe vapours.

**Hygiene measures :** Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Conditions for safe storage, including any incompatibilities

**Technical measures :** Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions :** Store in a well-ventilated area. Keep in fireproof place.

**Incompatible materials :** Heat sources.

**7.3 Specific end use(s)**

No additional information available

**8. Exposure controls/personal protection**

**8.1 Control parameter**

No additional information available

**8.2 Exposure control**

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Odour threshold:** No data available.

**pH value:** No data available.

**Relative evaporation rate (butylacetate=1):** No data available

**Melting point [°C]:** No data available

**Freezing point:** No data available

**Boiling point:** No data available

**Flash point:** No data available

**Auto-ignition temperature :** 475 °C

**Decomposition temperature :** No data available

**Flammability (solid, gas) :** Flammable solid

**Flammable liquid and vapour Vapour pressure :** No data available

**Relative vapour density at 20 °C :** No data available

**Relative density :** No data available

**Relative gas density :** No data available

**Solubility :** No data available

**Insoluble Log Pow :** No data available

**Viscosity, kinematic :** No data available

**Viscosity, dynamic :** No data available

**Explosive properties :** No data available

**Oxidising properties :** No data available

**Explosive limits :** No data available

## **9.2 Other information**

No additional information available

## **10. Stability and reactivity**

### **10.1 Reactivity**

Flammable solid

### **10.2 Chemical stability**

Stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

Reacts violently with water

### **10.4 Conditions to avoid**

Open flame. Heat. Sparks

### **10.5 Incompatible materials**

No additional information available

### **10.6 Hazardous decomposition products**

May release flammable gases.

## **11. Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity : Oral: Harmful if swallowed. Inhalation:gas: Harmful if inhaled.

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

## **12. Ecological information**

### **12.1 Toxicity**

No additional information available

### **12.2 Persistence – degradability**

No additional information available

### **12.3 Bioaccumulative potential**

No additional information available

### **12.4 Mobility in soil**

No additional information available

### **12.5 Results of PBT and vPvB assessment**

No additional information available

### **12.6 Other adverse effects**

No additional information available

## **13. Disposal considerations**

### **13.1 Waste treatment methods**

Product/Packaging disposal recommendations : Dispose of contents/container to ... Additional information : Handle empty containers with care because residual vapours are flammable.

## **14. Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

### **14.1 UN number**

**UN-No. (ADR) :** 3178

**UN-No. (IMDG) :** 3178

**UN-No. (IATA) :** 3178

**UN-No. (ADN) :** 3178

**UN-No. (RID) :** 3178

### **14.2 UN proper shipping name**

Proper Shipping Name (ADR) : FLAMMABLE SOLID, INORGANIC, N.O.S.

Proper Shipping Name (IMDG) : FLAMMABLE SOLID, INORGANIC, N.O.S.

Proper Shipping Name (IATA) : FLAMMABLE SOLID, INORGANIC, N.O.S.

Proper Shipping Name (ADN) : FLAMMABLE SOLID, INORGANIC, N.O.S.

Proper Shipping Name (RID) : FLAMMABLE SOLID, INORGANIC, N.O.S.

Transport document description (ADR) : UN 3178 FLAMMABLE SOLID,  
INORGANIC, N.O.S., 4.1, II, (E),  
ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 3178 FLAMMABLE SOLID,  
INORGANIC, N.O.S., 4.1, II, MARINE  
POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 3178 FLAMMABLE SOLID,  
INORGANIC, N.O.S., 4.1, II, ENVIRONMENTALLY

HAZARDOUS



CYNOR LABORATORY

Address: National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

Transport document description (ADN) : UN 3178 FLAMMABLE SOLID,  
INORGANIC, N.O.S., 4.1, II, ENVIRONMENTALLY  
HAZARDOUS

Transport document description (RID) : UN 3178 FLAMMABLE SOLID, INORGANIC,  
N.O.S., 4.1, II, ENVIRONMENTALLY  
HAZARDOUS

**14.3 Transport hazard class(es)**

**ADR-** Transport hazard class(es) (ADR) : 4.1

Danger labels (ADR) : 4.1

**IMDG-** Transport hazard class(es) (IMDG) : 4.1

Danger labels (IMDG) : 4.1

**IATA-** Transport hazard class(es) (IATA) : 4.1

Hazard labels (IATA) : 4.1

**AND-** Transport hazard class(es) (ADN) : 4.1

Danger labels (ADN) : 4.1

**RID-** Transport hazard class(es) (RID) : 4.1

Danger labels (RID) : 4.1

**14.4 Packing group**

**Packing group (ADR) : II**

**Packing group (IMDG) : II**

**Packing group (IATA) : II**

**Packing group (ADN) : II**

**Packing group (RID) : II**

**14.5 Environmental hazards**

**Dangerous for the environment** : Yes

**Marine pollutant** : Yes

**Other information** : No supplementary information available

**14.6 Special precautions for user**

**Overland transport-** Classification code (ADR) : F3

Special provision (ADR) : 274

Limited quantities (ADR) : 1kg

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P002, IBC08

Special packing provisions (ADR) : B4

Mixed packing provisions (ADR) : MP11

Portable tank and bulk container instructions  
(ADR): T3

Portable tank and bulk container special  
provisions (ADR): TP33

Tank code (ADR) : SGAN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage - Packages  
(ADR): V11

Hazard identification number (Kemler No.) : 40

Orange plates :

Tunnel restriction code (ADR) : E



CYNOR LABORATORY

Address: National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

EAC code : 1Z

**Transport by sea-** Special provision (IMDG) : 274, 915

Limited quantities (IMDG) : 1 kg

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B2, B4

Tank instructions (IMDG) : T3

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-G

Stowage category (IMDG) : B

MFAG-No : 133

**Air transport-** PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y441

PCA limited quantity max net quantity  
(IATA): 5kg

PCA packing instructions (IATA) : 445

PCA max net quantity (IATA) : 15kg

CAO packing instructions (IATA) : 448

CAO max net quantity (IATA) : 50kg

Special provision (IATA) : A3

ERG code (IATA) : 3L

**Inland waterway transport-** Classification code (ADN) : F3

Special provisions (ADN) : 274

Limited quantities (ADN) : 1 kg E

Excepted quantities (ADN) : E2

Equipment required (ADN) : PP

Number of blue cones/lights (ADN) : 1

**Rail transport-** Classification code (RID) : F3

Special provision (RID) : 274

Limited quantities (RID) : 1kg

Excepted quantities (RID) : E2

Packing instructions (RID) : P002, IBC08

Special packing provisions (RID) : B4

Mixed packing provisions (RID) : MP11

Portable tank and bulk container instructions  
(RID): T3

Portable tank and bulk container special  
provisions (RID): TP33

Tank codes for RID tanks (RID) : SGAN

Transport category (RID) : 2

Special provisions for carriage – Packages  
(RID): W1

Colis express (express parcels) (RID) : CE10

Hazard identification number (RID) : 40

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable





CYNOR LABORATORY

Address: National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

## **15. Regulatory information**

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

#### **15.1.1 EU-Regulations**

No REACH Annex XVII restrictions

Antimony Sulphide Golden Extra Pure is not on the REACH Candidate List

Antimony Sulphide Golden Extra Pure is not on the REACH Annex XIV List

#### **15.1.2 National regulations**

##### **Germany**

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

### **15.2 Chemical safety assessment**

No additional information available

## **16. Other information**

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008 **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

### **End of document**

**Prepared by:** CYNOR

**For questions contact:** CYNOR

**Office:** CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

**Email:** cynorlaboratories@gmail.com **Mobile No.:** +91 8799070507

(The statements contained herein are offered for informational purposes only and are based upon technical data that CYNOR believes to be accurate. It is intended for use only by persons having the necessary technical skills and at their own discretion and risk. Since conditions and manner of use are outside our control, we make **NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE.**)