

**GEMCUTS PTY LTD**

Date of Issue 6-11-2019

**SAFETY DATA SHEET  
LIVER OF SULFUR**

IMPORTANT NOTICE: This Safety Data Sheet (SDS) is issued by Gemcuts Pty Ltd in accordance with National Occupational Health and Safety Commission guidelines. The information contained in this document must not be added to, deleted or altered. Gemcuts Pty Ltd will issue a new SDS when there is a change in the product specifications and/or with the National Occupational Health and Safety Commission guidelines/ regulations. Gemcuts Pty Ltd will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

**CLASSIFICATION OF MATERIAL****Hazardous material Non-dangerous goods.****1. IDENTIFICATION OF THE MATERIAL & SUPPLIER**

<b>Product</b>	Liver of Sulfur
<b>Recommended Use</b>	Oxidising agent
<b>Supplier/Importer</b>	Gemcuts Pty Ltd
<b>ABN</b>	43 780 687 841
<b>Manufacturer</b>	Euro Tool Inc.
<b>Address</b>	36A Smith Drive, West Ballina NSW 2478
<b>Telephone Number</b>	02 66911686
<b>Facsimile</b>	N/A
<b>Email</b>	admin@gemcuts.com.au
<b>Emergency Telephone</b>	131126 Poisons Information Centre 0427012014

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### 2. HAZARDS IDENTIFICATION

WARNING: Prolonged exposure may cause cancer. Dust may temporarily irritate eyes, skin and respiratory system.

#### 2.1 Hazards Classification:

Acute Toxicity Oral: Cat 3  
 STOT SE: Cat 3  
 Skin Irritation: Cat 2  
 Serious Eye Irritation: Cat 2

<b>NFPA HAZARD RATING</b>	Fire: 2	Health: 2	Reactivity: 0
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**2.2 Hazard Category:** Hazardous substance. Non-Dangerous Goods

#### 2.3 Risk Phrase(s):

**H303:** May be harmful if swallowed  
**H315:** Causes skin irritation  
**H320:** Causes eye irritation  
**H333:** May be harmful if inhaled  
**H335:** May cause respiratory irritation

#### 2.4 Precautionary Phrase(s):

**P261:** Avoid breathing dust/fume/gas/mist/vapours/spray.  
**P264:** Wash hands thoroughly after handling.  
**P270:** Do not eat, drink or smoke when using this product.  
**P271:** Use only outdoors or in a well-ventilated area.  
**P304+P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
**P312:** Call a POISON CENTER or doctor if you feel unwell.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Product Description:** Yellow/brown to brown lumps

**3.2 Contents**

Chemical Name	CAS Number	Proportion %
Potassium Trisulfide	37488-75-8	25%
Potassium Thiosulfate Hydrated	10294-66-3	75%

### 4. FIRST AID MEASURES

**For advice, contact a Poisons Information Centre,**

**Phone (Australia) 131 126**

**Inhalation:** Give clean air to breathe. If not breathing give artificial respiration or if breathing is difficult give oxygen. Seek medical attention

**Skin Contact:** Wash with plenty of water. Remove contaminated clothing and seek medical attention if needed.

**Eye Contact:** Wash with plenty of water. Remove contact lenses. Continue to flush with water on the way to medical attention.

**Ingestion:** Induce vomiting as instructed by medical personnel. Never give anything in the mouth to an unconscious person. Seek medical attention

**Seek immediate medical assistance for advice or attention.**

### 5. FIRE FIGHTING MEASURES

**5.1 Explosion Hazard:** Flammable solid. Not considered an explosion hazard, but dust may form explosive mixture with the air.

**5.2 Fire Fighting Advice:** Sealed containers may rupture with the heat. Use full protective gear including self-contained breathing apparatus

**5.3 Suitable Extinguishing Media:** Any means possible to extinguish the surrounding fire.

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### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Action:** Remove all sources of ignition. Ventilate the area. Wear appropriate PPE. Avoid dispersing dust during the clean up and use water if needed to do this. Put recovered material in a sealed container.

### 7. HANDLING & STORAGE

**7.1 Handling Advice:** Use all personal protective gear to minimise contact or inhalation of this product. Avoid creating dust.

**7.2 Storage Advice:** Store in a cool dry well-ventilated room away from excessive heat, ignition sources and incompatible materials. Containers should be grounded to prevent sparks. Never cut, weld, grind or allow container to be near such an ignition source, it may explode.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Occupational Exposure Limits:** None given as mixed product or individual chemical

**8.2 Engineering Control Measures:** Ensure ventilation is adequate. Avoid generating and breathing in dusts. Use with local exhaust ventilation and while wearing a particle respirator.

**8.3 Personal Protective Equipment:**

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, APPROVED RESPIRATOR.

Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet, Wash contaminated clothing and other protective equipment before storage or re-use.

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### 9. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Solid
Colour:	Yellow/brown to brown
Odour:	Rotten egg/sulphide
Size (millimetres)	85mm x 70mm
Weight (grams)	130g
Solubility:	Soluble
Density	No data
Flash Point (°C):	No data

### 10. STABILITY & REACTIVITY

**Chemical Stability:** Stable under normal conditions and use.

**Conditions to Avoid:** Heat or ignition sources.

**Hazardous Reactions:** Will not occur.

**Incompatible Materials:** Strong Oxidising Agents, Halogens and halogenated organic compounds, acids, alcohols, strong reducing agents, carbonated water, acids salts, combustible material, zinc and aluminium.

**Hazardous Decomposition:** Burning may produce sulphur oxides

### 11. TOXICOLOGY INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet.

No LD50/LC50 information found relating to normal routes of occupational exposure.

### 12. ECOLOGICAL INFORMATION

No data

### 13 DISPOSAL CONSIDERATIONS

Commonwealth, State and Local laws governing disposal of material can differ. Ensure proper disposal compliance with the proper authority before disposal.

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### 14. TRANSPORT INFORMATION

#### Not Regulated:

14.1 **Road and Rail Transport:** Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail

14.2 **Marine Transport:** Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

14.3 **Air Transport:** Not Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### 15. REGULATORY INFORMATION

**Work Health and Safety Regulation 2017** Chapter 3 Part 3.2 Division 7

Managing risks from airborne contaminants

NTC

Worksafe

GHS

### 16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Gemcuts Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Gemcuts Pty Ltd at the contact details on page 1.

Gemcuts Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.