



# CERTIFICATE OF ANALYSIS

## Section 1 - Product and Company Information

### **Product detail**

Product Name: Ichthammol

Synonyms: ammonium bithiolicum; ammonium ichthosulfonate; ammonium ichthyolate; ammonium sulfobituminate; ammonium sulfoichthyolate; sulfoichthyolic acid, ammonium salt

Molecular Formula: N/A

### **Manufacturer/Supplier**

Lonwin Industry Group Limited

Address: 602 No 66, Lane 2855, Qixin Road, Shanghai, 201101, P.R. China

Tel: 86-21-54739855

Tax: 86-21-65080210

Website: <http://www.lonwinchem.com>

## Section 2 - Composition/Information on Ingredients

Product Name: Ichthammol

CAS No.: 8029-68-3

EINECS/ELINCS: 2324390

Hazard Symbols: N/A

## Section 3 - Hazards Identification

### **Potential acute health effects**

Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact.

### **Potential chronic health effects**

Carcinogenic effects: Not available.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Developmental toxicity: Not available.

The substance is toxic to lungs, mucous membranes.

Repeated or prolonged exposure to the substance can produce target organs damage.

### **HMIS rating**

Health: 2

Flammability: 1

Reactivity: 0

### **NFPA rating**

Health: 2

Flammability: 1

Reactivity: 0

For additional information on toxicity, please refer to Section 11.

#### **Section 4 - First Aid Measures**

##### **Oral exposure**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

##### **Inhalation exposure**

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

##### **Dermal exposure**

In case of contact, immediately wash skin with soap and copious amounts of water.

##### **Eye exposure**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

#### **Section 5 - Fire Fighting Measures**

##### **Flash point**

N/A

##### **Autoignition temp**

N/A

##### **Flammability**

N/A

##### **Extinguishing media**

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

##### **Firefighting**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

#### **Section 6 - Accidental Release Measures**

##### **Procedure(s) of personal precaution(s)**

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

##### **Methods for cleaning up**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

#### **Section 7 - Handling and Storage**

##### **Handling**

User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### **Storage**

Suitable: Keep tightly closed.

## **Section 8 - Exposure Controls / Personal Protection**

### **Engineering controls**

Safety shower and eye bath required. Mechanical exhaust required.

### **Personal protective equipment**

Respiratory: Wear dust mask.

Hand: Protective gloves.

Eye: Chemical safety goggles.

### **General hygiene measures**

Wash thoroughly after handling.

## **Section 9 - Physical/Chemical Properties**

Physical State: Liquid

Color: Brown black

Form: Sticky liquid

Molecular Weight: N/A

Molecular Formula: N/A

pH: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Flash Point: N/A

Decomposition Temperature: N/A

Autoignition Temperature: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Saturated Vapor: N/A

Density: 1.1g/ml

Bulk Density: N/A

Odor Threshold: N/A

Volatile: N/A

Evaporation Rate: N/A

Viscosity: N/A

Surface Tension: N/A

Partition Coefficient: N/A

Explosion Limits: N/A

Flammability: N/A

Refractive Index N/A

Optical Rotation N/A

Solubility:  $\geq 10$  g/100 mL at 18°C (water)

N/A = not available

## Section 10 - Stability and Reactivity

### **Stability**

Stable: Stable.

### **Hazardous decomposition products**

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

### **Hazardous polymerization**

Hazardous Polymerization: Will not occur.

## Section 11 - Toxicological Information

### **Route of exposure**

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

### **Target organ(s) or system(s)**

Lungs. Mucous membranes.

### **Signs and symptoms of exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12 - Ecological Information

### **Ecotoxicity**

N/A

### **BOD5 and COD**

N/A

### **Products of biodegradation**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

### **Toxicity of the products of biodegradation**

The products of degradation are more toxic.

### **Special remarks on the products of biodegradation**

N/A

## Section 13 - Disposal Considerations

### **Appropriate method of disposal of substance or preparation**

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

## Section 14 - Transport Information

### **DOT**

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

### **IATA**

Non-Hazardous for Air Transport: Non-hazardous for air transport.

## **Section 15 - Regulatory Information**

### **Federal and state regulations**

TSCA 8(b) inventory: lchtammol

### **Other regulations**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

### **Other classifications**

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R36/38- Irritating to eyes and skin.

## **Section 16 - Other Information**

### **Warranty**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall **Lonwin Industry Group Limited.** be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **Lonwin Industry Group Limited.** has been advise the possibility of such damages.