

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product name: Lead Stearate  
CAS Number: 1072-35-1

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Product use: Laboratory chemicals, Industrial & for professional use only

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

Company name: East Harbour Group Ltd  
20 Clough Road, Severalls Industrial Park  
Colchester, Essex, CO4 9QS  
United Kingdom

Telephone: +44 (0) 333 242 0100  
Email: [info@eastharbourgroup.com](mailto:info@eastharbourgroup.com)

**1.4 Emergency telephone number**

Emergency telephone: 0800 246 1274

**Section 2: Hazardous identification****2.1 Classification of the substance or mixture**

Acute toxicity - Oral, Category 4  
Acute toxicity - Inhalation, Category 4  
Reproductive toxicity, Category 1A  
Specific target organ toxicity \u2013 repeated exposure, Category 2  
Hazardous to the aquatic environment, short-term (Acute) - Category Acute 1  
Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 1

**2.2 Label elements**

Pictogram(s)



Signal Word

Danger

Hazard Statement(s)

H302

Harmful if swallowed



# Lead Stearate

H332 Harmful if inhaled  
 H360 May damage fertility or the unborn child  
 H373 May cause damage to organs through prolonged or repeated exposure  
 H410 Very toxic to aquatic life with long lasting effects

**Precautionary Statement(s)**

**Prevention**

P264 Wash thoroughly after handling  
 P270 Do not eat, drink or smoke when using this product  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P271 Use only outdoors or in a well-ventilated area  
 P201 Obtain special instructions before use  
 P202 Do not handle until all safety precautions have been read and understood  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P260 Do not breath dust/fume/gas/mist/vapours/spray  
 P273 Avoid release to the environment

**Response**

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.  
 P330 Rinse mouth  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor/if you feel unwell  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P314 Get medical advice/attention if you feel unwell.  
 P391 Collect spillage

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents/container

**2.3 Other hazards which do not result in classification**

None

**Section 3: Composition/information on ingredients**

**3.1 Substances**

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
Lead Stearate	Lead Stearate	1072-35-1	none	100%

**Section 4: First aid measures**

**4.1 Description of first aid measures**

**General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance

**If Inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician



## Lead Stearate

### In case of skin contact

Wash off with soap and plenty of water. Consult a physician

### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

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

INHALATION: Joint and muscle pains, headache, dizziness, and insomnia. Weakness, frequently of extensor muscles of hand and wrist (unilateral or bilateral). Heavy contamination - brain damage. Stupor progressing to coma - with or without convulsion, often death. Excitation, confusion, and mania less common. Cerebrospinal pressure may be increased. INGESTION: Abdominal pain, diarrhoea, constipation, loss of appetite, muscular weakness, headache, blue line on gums, metallic taste, nausea, and vomiting. (USCG, 1999)

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

No data available

## Section 5: Fire-fighting measures

### 5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Fire Extinguishing Agents: Chemical, foam, CO 2, water

### 5.2 Special hazards arising from the substance or mixture

Special Hazards of Combustion Products: At high temperature toxic fumes are emitted. Behaviour in Fire: Possibility of explosion exists under dusty conditions

### 5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6: Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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



# Lead Stearate

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational Exposure limit values	No data available
Biological limit values	No data available

### 8.2 Exposure controls /

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

### 8.3 Personal protective equipment

**Eye/face protection:** Use equipment for eye protection with side-shields 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.

**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:** Wear dust mask when handling large quantities

**Thermal Hazards:** No data available

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	White powder
Colour	No data available
Odor	No data available
Melting Point/Freezing Point	105-112\u00baC



# Lead Stearate

<b>Boiling point or initial boiling point and range</b>	359.4°C at 760 mmHg
<b>Flammability</b>	No data available
<b>Lower and Upper Explosion Limit / Flammability Limit</b>	No data available
<b>Flash Point</b>	162.4°C
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>pH</b>	No data available
<b>Kinematic viscosity</b>	No data available
<b>Solubility</b>	No data available
<b>Partition Coefficient n-octanol/water (log value)</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Density and/or Relative Density</b>	1.323
<b>Relative Vapour Density</b>	No data available
<b>Particle Characteristics</b>	No data available

## Section 10: Stability and Reactivity

<b>10.1 Reactivity</b>	No data available
<b>10.2 Chemical Stability</b>	Stable under recommended storage conditions
<b>10.3 Possibility of hazardous reactions</b>	LEAD STEARATE has weak oxidizing or reducing powers. Redox reactions can however still occur. The majority of compounds in this class are slightly soluble or insoluble in water. If soluble in water, then the solutions are usually neither strongly acidic nor strongly basic. These compounds are not water reactive.
<b>10.4 Conditions to avoid</b>	No data available
<b>10.5 Incompatible materials</b>	No data available
<b>10.6 Hazardous decomposition products</b>	No data available

## Section 11: Toxicological Information

<b>Acute Toxicity</b>	
Oral	No data available
Inhalation	No data available
Dermal	No data available
Skin corrosion/Irritation	No Data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT single exposure	No data available
STOT repeated exposure	No data available
Aspiration hazard	No data available



# Lead Stearate

## Section 12: Ecological Information

### 12.1 Toxicity

#### Ecotoxicity effects

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to microorganisms	No data available

**12.2 Persistence and degradability** No data available

**12.3 Bioaccumulative potential** No data available

**12.4 Mobility in soil** No data available

**12.5 Other adverse effects** No data available

## Section 13: Disposal considerations

### 13.1 Disposal

**Product:** The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

#### Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

## Section 14: Transport Information

### 14.1 UN Number

ADR/RID: UN2291	IMDG: UN2291	IATA: UN2291
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### 14.2 UN Proper shipping name

ADR/RID: LEAD COMPOUND, SOLUBLE, N.O.S.

IMDG: LEAD COMPOUND, SOLUBLE, N.O.S.

IATA: LEAD COMPOUND, SOLUBLE, N.O.S.

### 14.3 Transport hazard class(es)

ADR/RID: unknown	IMDG: Unknown	IATA: Unknown
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### 14.4 Packing group, if applicable

ADR/RID: Unknown	IMDG: Unknown	IATA: Unknown
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### 14.5 Environmental hazards

ADR/RID: Yes	IMDG: Yes	IATA: Yes
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### 14.6 Special precautions for user

No data available



## Lead Stearate

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

No data available

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

### Section 15: Regulatory Information

Chemical Name	Common names and synonyms	CAS number	EC Number
Lead Stearate	Lead Stearate	1072-35-1	None
<b>European Inventory of Existing Commercial Chemical Substances (EINECS)</b>			Listed
<b>EC Inventory</b>			Listed
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed
<b>China Catalogue of Hazardous chemicals 2015</b>			Not Listed
<b>New Zealand Inventory of Chemicals (NZIoC)</b>			Listed
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>			Listed
<b>Vietnam National Chemical Inventory</b>			Listed
<b>Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)</b>			Listed

### Section 16: Other Information

#### Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%