



MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**
62/A-2 2nd Stage, Industrial Suburb
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2-Aminothiophenol, 98%

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

2-Aminothiophenol, 98%

Catalog Numbers:

15390-0000, 15390-0050, 15390-1000, 15390-5000

Synonyms:

2-Mercaptoaniline ; 2-Aminobenzenethiol

Company Information:

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SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

| | | |
|----------------|---|-------------------|
| CAS # | : | 137-07-5 |
| Chemical Name | : | 2-Aminothiophenol |
| % | : | 98% |
| EINECS# | : | 205-277-3 |
| Hazard Symbols | : | C |
| Risk Phrases | : | 34 |

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Causes burns. Air sensitive.

Potential Health Effects

Eye:

Causes eye burns.

Skin:

Causes skin burns.



Ingestion:

Causes gastrointestinal tract burns.

Inhalation:

May cause cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood). May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Chronic:

No information available.

SECTION 4 - FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Do NOT induce vomiting and seek IMMEDIATE MEDICAL ADVICE.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

No information available.

SECTION 5- FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible solid.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

SECTION 7 - HANDLING AND STORAGE

Handling:

Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---------------------------|---|--------------------------------------------------|
| Physical State | : | Clear liquid |
| Color | : | After melting, clear yellow - amber |
| Odor | : | Stench |
| PH | : | No information available. |
| Vapor Pressure | : | No information available. |
| Vapor Density | : | No information available. |
| Evaporation Rate | : | No information available. |
| Viscosity | : | No information available. |
| Boiling Point | : | 234 deg C @ 760.00mm Hg |
| Freezing/Melting Point | : | 23 - 26 deg C |
| Autoignition Temperature | : | No information available. |
| Flash Point | : | 79 deg C (174.20 deg F) |
| Explosion Limits, lower | : | No information available. |
| Explosion Limits, upper | : | No information available. |
| Decomposition Temperature | : | No information available. |
| Solubility in water | : | Insoluble |
| Specific Gravity/Density | : | 1.1680g/cm ³ |
| Molecular Formula | : | H ₂ NC ₆ H ₄ SH |
| Molecular Weight | : | 125.19 |

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Stable under normal temperatures and pressures.

Conditions to Avoid:
Incompatible materials, exposure to air.

Incompatibilities with Other Materials:
Strong oxidizing agents, acids, acid chlorides, acid anhydrides, chloroformates.

Hazardous Decomposition Products:
Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.

Hazardous Polymerization:
Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 137-07-5: DC0600000

LD50/LC50:

No information available.

Carcinogenicity:

2-Aminothiophenol - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA

| | | |
|---------------|---|--------------------------|
| Shipping Name | : | CORROSIVE SOLID, N.O.S.* |
| Hazard Class | : | 8 |
| UN Number | : | 1759 |
| Packing Group | : | III |

IMO

| | | |
|---------------|---|-------------------------|
| Shipping Name | : | CORROSIVE SOLID, N.O.S. |
| Hazard Class | : | 8 |
| UN Number | : | 1759 |
| Packing Group | : | III |

RID/ADR

| | | |
|---------------|---|-------------------------|
| Shipping Name | : | CORROSIVE SOLID, N.O.S. |
| Hazard Class | : | 8 |
| UN Number | : | 1759 |
| Packing group | : | III |

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives

Hazard Symbols:

C

Risk Phrases:

R 34 Causes burns.

Safety Phrases:

S 25 Avoid contact with eyes. S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 137-07-5: No information available.

United Kingdom Occupational Exposure Limits

No information available.

United Kingdom Maximum Exposure Limits

No information available.

Canada

CAS# 137-07-5 is listed on Canada's DSL List.

CAS# 137-07-5 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 137-07-5 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

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 the company 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 the company has been advised of the possibility of such damages.

