



## MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**  
62/A-2 1st Stage, Yeshwanthpur Industrial Suburb  
Ashokpuram School Road  
Bangalore-560 022, Karnataka, INDIA  
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

2-ETHYLTHIOPHENE, 99%

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

2-Ethylthiophene, 99%

Catalog Numbers: E052

Synonyms:

Company Information:

LEONID CHEMICALS

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb

Ashokpuram School Road

Bangalore-560 022, Karnataka, INDIA

Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS # : 872-55-9  
Chemical Name : 2-Ethylthiophene  
% : 99%  
EINECS# : 212-830-2  
Hazard Symbols : XI  
Risk Phrases : 10 36/37/38

### SECTION 3- HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Flammable. Irritating to eyes, respiratory system and skin. Stench.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion:

May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:

Not available.



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## SECTION 4- FIRST AID MEASURES

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### Eyes:

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

### Skin:

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

### Ingestion:

Get medical aid. Wash mouth out with water.

### 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:

Treat symptomatically and supportively.

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## SECTION 5- FIRE FIGHTING MEASURES

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### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

### Extinguishing Media:

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

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## SECTION 6- ACCIDENTAL RELEASE MEASURES

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### 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. Remove all sources of ignition. Use a spark-proof tool.

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## SECTION 7 - HANDLING and STORAGE

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### Handling:

Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Use only in a chemical fume hood. Do not breathe dust or fumes.

### Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

### Personal Protective Equipment

#### Eyes:

Wear chemical goggles and a face shield.

#### Skin:

Wear appropriate gloves to prevent skin exposure.

#### Clothing:

Wear polyethylene gloves, apron, and/or clothing.

#### Respirators:

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

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Clear liquid
Color:	colorless
Odor:	stench - aromatic odor
pH:	Not available.
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	132.0 - 134.0 deg C @760 mmHg
Freezing/Melting Point:	Not available.
Autoignition Temperature:	Not available.
Flash Point:	21 deg C ( 69.80 deg F)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	insoluble
Specific Gravity/Density:	.9900g/cm3
Molecular Formula:	C6H8S
Molecular Weight:	112.19

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## SECTION 10 - STABILITY AND REACTIVITY

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### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Incompatible materials, strong oxidants.

### Incompatibilities with Other Materials:

Strong oxidizing agents, strong reducing agents, strong acids, strong bases.

### Hazardous Decomposition Products:

Carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide, hydrogen sulfide.

### Hazardous Polymerization:

Has not been reported.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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### RTECS#:

CAS# 872-55-9 unlisted.

### LD50/LC50: CAS# 99-77-4:

Not Available.

### Carcinogenicity:

2-Ethylthiophene -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

### Other:

See actual entry in RTECS for complete information.

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## SECTION 12 - ECOLOGICAL INFORMATION

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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

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## SECTION 14 - TRANSPORT INFORMATION

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### IATA

Shipping Name: FLAMMABLE LIQUID, N.O.S.\*  
Hazard Class: 3  
UN Number: 1993  
Packing Group: II

### IMO

Shipping Name: FLAMMABLE LIQUID, N.O.S.\*  
Hazard Class: 3  
UN Number: 1993  
Packing Group: II

### RID/ADR

Shipping Name: FLAMMABLE LIQUID, N.O.S.\*  
Hazard Class: 3  
UN Number: 1993  
Packing Group: II

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## SECTION 15 - REGULATORY INFORMATION

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### European/International Regulations

#### European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Risk Phrases:

R 10 Flammable.

R 36/37/38 Irritating to eyes, respiratory system  
and skin.

Safety Phrases:

S 16 Keep away from sources of ignition - No  
smoking.

S 26 In case of contact with eyes, rinse immediately  
with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face  
protection.

#### WGK (Water Danger/Protection)

CAS# 872-55-9: No information available.

#### United Kingdom Occupational Exposure Limits

#### United Kingdom Maximum Exposure Limits

#### Canada

None of the chemicals in this product are listed on the DSL/NDSL list.

CAS# 872-55-9 is not listed on Canada's Ingredient Disclosure List.

#### Exposure Limits

#### US FEDERAL

##### TSCA

CAS# 872-55-9 is not listed on the TSCA inventory.

It is for research and development use only.

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## SECTION 16 - ADDITIONAL INFORMATION

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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.

