



## MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb  
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2-ETHYLHEXANOIC ACID, 99%

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

2-ETHYLHEXANOIC ACID, 99%

Catalog Numbers: E041

Synonyms: 2-Ethylcapronic acid

Company Information:

LEONID CHEMICALS

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### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS # : 149-57-5  
Chemical Name : 2-ETHYLHEXANOIC ACID  
% : 99%  
EINECS# : 205-743-6  
Hazard Symbols : XN  
Risk Phrases : Not Listed

### SECTION 3- HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Possible risk of harm to the unborn child.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Possible risk of harm to the unborn child.



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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 immediately. Immediately 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.

##### Notes to Physician:

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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. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Flammable liquid and vapor.

##### Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant 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.

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#### SECTION 7 - HANDLING and STORAGE

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##### Handling:

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation

##### Storage:

Store in a cool, dry place. Keep container closed when not in use.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

### Personal Protective Equipment

#### Eyes:

Wear safety glasses and chemical goggles if splashing is possible.

#### Skin:

Wear appropriate 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.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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|                            |   |
|----------------------------|---|
| Physical State:            | Clear liquid                                  |
| Color:                     | APHA: 15 max                                  |
| Odor:                      | Not available.                                |
| pH:                        | Not available.                                |
| Vapor Pressure:            | 0.04 mbar @ 20                                |
| Viscosity:                 | 7.7 mPa.s 20 deg C                            |
| Boiling Point:             | 228 deg C @ 760.00mm Hg                       |
| Freezing/Melting Point:    | 0 deg C                                       |
| Autoignition Temperature:  | 310 deg C ( 590.00 deg F)                     |
| Flash Point:               | 118 deg C ( 244.40 deg F)                     |
| Explosion Limits, lower:   | .06 vol %                                     |
| Explosion Limits, upper:   | .01 vol %                                     |
| Decomposition Temperature: |   |
| Solubility in water:       | 2 g/l (20°C)                                  |
| Specific Gravity/Density:  | .9030g/cm <sup>3</sup>                        |
| Molecular Formula:         | C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> |
| Molecular Weight:          | 144.21  |

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## SECTION 10 - STABILITY AND REACTIVITY

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### Chemical Stability:

Absorbs carbon dioxide from air to form nonvolatile carbonate.

### Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Oxidizing agents, reducing agents, bases.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

### Polymerization:

Has not been reported.

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SECTION 11 - TOXICOLOGICAL INFORMATION  
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RTECS#:

CAS# 149-57-5: MO7700000

LD50/LC50:

CAS# 149-57-5: Dermal, guinea pig: LD50 = 6300 uL/kg; Draize test, rabbit, eye: 20 mg Severe; Oral, rat: LD50 = 3 gm/kg; Skin, rabbit: LD50 = 1260 uL/kg.

Carcinogenicity:

2-ETHYLHEXANOIC ACID -

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

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

No information available.

IMO

No information available.

RID/ADR

No information available.

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SECTION 15 - REGULATORY INFORMATION  
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European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 63 Possible risk of harm to the unborn child.

Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection)

CAS# 149-57-5: 1

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 149-57-5 is listed on Canada's DSL List.

CAS# 149-57-5 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 149-57-5 is listed on the TSCA inventory.

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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.

