



## MATERIAL SAFETY DATA SHEET

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### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MSDS Name:** A,A,A'-TETRAKIS(TRIFLUOROMETHYL)-1,3- BENZENEDIMETHANOL, 98%

**Catalog Numbers:**

64

**Synonyms:**

1,3-Bis(2-hydroxyhexfluoroisopropyl)benzene

**Company Identification**

LEONID CHEMICALS

62/A-2 2nd Stage, Industrial Suburb

Yeshwanthpur, Bangalore -22, INDIA

Ph- +91-80-23378354

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	:	802-93-7
Chemical Name	:	A,A,A'-TETRAKIS(TRIFLUOROMETHYL)-1,3   - BENZENEDIMETHANOL, 98%
%	:	98
EINECS#	:	212-354-5
Haz Symbols	:	None Listed
Risk Phrases	:	None Listed

### SECTION 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Not available.

#### 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:

Not available.

### SECTION 4 - FIRST AID MEASURES

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:**

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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. Combustible liquid.

**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.

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## SECTION 7 - HANDLING and STORAGE

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**Handling:**

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:**

Store in a cool, dry place. Store in a tightly closed container.

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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 appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European

Standard EN166.

**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.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Clear liquid  
Color: colorless to light yellow  
Odor: Not available.  
pH: Not available.  
Vapor Pressure: Not available.  
Viscosity: Not available.  
Boiling Point: Not available.  
Freezing/Melting Point: Not available.  
Autoignition Temperature: Not available.  
Flash Point: Not available.  
Explosion Limits, lower: Not available.  
Explosion Limits, upper: Not available.  
Decomposition Temperature:  
Solubility in water:  
Specific Gravity/Density:  
Molecular Formula:  
Molecular Weight:

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## SECTION 10 - STABILITY AND REACTIVITY

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Chemical Stability:  
Not available.  
Conditions to Avoid:  
Incompatible materials.  
Incompatibilities with Other Materials:  
Strong oxidizing agents.  
Hazardous Decomposition Products:  
Carbon monoxide, carbon dioxide, hydrogen fluoride gas.  
Hazardous Polymerization: Has not been reported

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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RTECS#:  
CAS# 802-93-7 unlisted.  
LD50/LC50:

Not available.  
Carcinogenicity:  
A,A,A'-TETRAKIS(TRIFLUOROMETHYL)-1,3- BENZENEDIMETHANOL, 98% -  
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: Not available.  
Risk Phrases:  
Safety Phrases:  
S 24/25 Avoid contact with skin and eyes.  
WGK (Water Danger/Protection)  
CAS# 802-93-7: No information available.  
United Kingdom Occupational Exposure Limits  
  
United Kingdom Maximum Exposure Limits  
  
Canada  
CAS# 802-93-7 is listed on Canada's NDSL List.  
CAS# 802-93-7 is not listed on Canada's Ingredient Disclosure List.  
Exposure Limits  
US FEDERAL  
TSCA  
CAS# 802-93-7 is listed on the TSCA inventory.

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## SECTION 16 - ADDITIONAL INFORMATION

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MSDS Creation Date: 3/18/1997 Revision #0 Date: Original.

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