



MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**
Leonid Chemicals Pvt Ltd
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

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label : 1H,1H,9H-Hexadecafluorononanol

Product Number : 837

Supplier :

LEONID CHEMICALS

62/A-2 2nd Stage, Industrial Suburb

Yeshwanthpur, Bangalore -22, INDIA

Ph- +91-80-23378354

Alternative Names : None in common use.

2. COMPOSITION AND INFORMATION ON COMPONENTS

Name : 1H,1H,9H-Hexadecafluorononanol

Minor Impurities : Not determined

CAS Number : 376-18-1

EINECS Number : Not listed

EEC Number :

3. HAZARDS IDENTIFICATION

Designation :

IRRITANT

Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin.

4. FIRST AID MEASURES

Inhalation

Remove to fresh air. If breathing is difficult give oxygen and seek medical attention.

Eye Contact

Flush with copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact

Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. If irritation persists or other symptoms are observed, seek medical advice.

Ingestion

Rinse out mouth and drink lots of water. In case of irritation or other symptoms, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Medium

Use fire fighting measures which suit the environment and take into account other materials



which may be involved. In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

Protective Equipment

Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion May Include:

carbon monoxide, carbon dioxide, hydrogen fluoride (hydrofluoric acid).

6. ACCIDENTAL RELEASE MEASURES

Personal Protection

Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.

Environmental Protection

Take precautions to ensure product does not contaminate the ground or enter the drainage system.

Collection

Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

7. HANDLING AND STORAGE

Handling

Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber gloves, eye protection and protective clothing should be worn. Operations should be carried out in an efficient fume hood or equivalent system.

Storage

Store in tightly sealed containers in a cool place.
Protect from moisture.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory

Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

Eye

Avoid eye contact. Wear safety spectacles, goggles or, for larger quantities, a full face mask.

Hands and Body

Irritant product. Avoid skin contact. Wear rubber gloves, protective clothing and, for larger quantities, full arm, body and face protection. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :

Physical Constants: m.p. 65-67° ; b.p. 157-158° /200mm

Molecular Formula : C9H14F16O

Formula Weight : 432.11

Water Solubility :
Density : Not available
Flash Point : Not available

10. STABILITY AND REACTIVITY

Specific Hazard
Incompatibilities
Strong oxidising agents. Acid chlorides. Acid anhydrides.

Decomposition
Hazardous products of decomposition may include:
carbon monoxide, carbon dioxide, hydrogen fluoride (hydrofluoric acid).

11. TOXICOLOGICAL INFORMATION

RTECS Number : Not listed
Acute Toxicity
LD50 : Not available
Irritating to eyes, respiratory system and skin.

12. ECOLOGICAL EFFECTS

General
Take care to prevent chemicals from entering the ground, water courses or drainage systems.

13. DISPOSAL CONSIDERATIONS

Disposal
Disposal should be via an approved contractor and should take full account of local regulations.

14. TRANSPORT INFORMATION

UN Number :
Land Transport
ADR/RIC Code/Class: 6.1 /Packing Group III
Maritime Transport IMDG Code/Class : 6.1 /Packing Group III
Air Transport IATA Code/Class : 6.1 /Packing Group III

15. REGULATORY INFORMATION

CAS Number : 376-18-1
EINECS Number : Not listed
EEC Number :
UN Number : None
RTECS Number : Not listed
Hazard Indication :
IRRITANT

Risk and Safety Phrases

Irritating to eyes, respiratory system and skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing, gloves and eye/face protection.

TSCA:

16. OTHER INFORMATION

It must be recognised that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of Last Review: 3rd August 1998

Date Printed : 18th September 1998


CHEMLABSTM