



MATERIAL SAFETY DATA SHEET

Product Name : Roof Snot
Date : 09 MAY 2003

MSDS Control No. : **SCM 701.03**
Revision : **00**

SECTION 1 – IDENTIFICATION OF SUBSTANCE

Supplier : SICHEM
Address : P.O. Box 34077 – Abu Dhabi, U.A.E.
Telephone No. : 971 – 2 – 555 9104
Telefax No. : 971 – 2 – 554 2524

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization : Lauryl Dimethylamine Oxide
C.A.S. Registry Number : 1643 – 20 – 5

SECTION 3 – HAZARDS IDENTIFICATION

To be read in conjunction with SECTIONS 8 & 11

MOST IMPORTANT HAZARDS

Emergency Overview : May cause irritation to the eyes, skin and respiratory system
Health Effects : Eyes : This product may cause irritation to eyes.
Health Effects : Skin : Prolonged and / or repeated skin contact may result in mild irritation or redness.
Health Effects : Inhalation : Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Health Effects : Ingestion : Ingestion of large amounts may produce gastro intestinal disturbances including irritation, nausea and diarrhea.

SECTION 4 – FIRST AID MEASURES

Eye Contact : Immediately flush with water for at least 15 minutes while holding eyelids open. If irritation persists get medical attention.
Skin Contact : For skin contact flush with large amounts of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse.
Inhalation : If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
Ingestion : If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting.

SECTION 5 – FIRE-FIGHTING MEASURES

Flash Point : > 94 °C
Extinguishing media : Dry chemical, foam, carbon dioxide, water fog.
Fire fighting equipment / Instruction : Firefighters should wear full fire – fighting turn – out gear (full Bunker gear) including NIOSH – approved self – contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Spill and leak procedures :
- Emergency action :
 - Isolate spill or leak area immediately.
 - Keep unauthorized personnel away. Stay upwind.
 - Keep out of low areas. Ventilate closed spaces before entering.
 - : Do no touch or work through spilled material. Stop leak if you can do it without risk. Wear appropriate personal protective equipment during cleanup.
 - : Small spills : Absorb with earth, sand, or other non – combustible material and transfer to containers for later disposal.
Large spills : Dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas.
Surface may become slippery after spillage.

SECTION 7 – HANDLING AND STORAGE

- Handling Procedures :
- Normal safety precautions (gloves, goggles, etc.) should be employed. Avoid contact with skin and eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material
- Storage Procedure :
- Avoid freezing or excessive heat. Keep the container tightly closed and in a cool, well – ventilated place. Store between 10 – 49 °C.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Controls :
- Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
- Personal Protective Equipment :
- Eyes / Face : Wear safety glasses; chemical goggles (if splashing is possible)
 - Skin : Wear suitable protective clothing. Use impervious gloves.
 - Respiratory : If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.
 - General : Eye wash fountain and emergency showers are recommended.

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- ACGIH – Time Weighted Average : 1 ppm TWA
- NIOSH – Health Standards – Exposure Limit : 1.0 ppm TWA; 1.4 mg/m³ TWA
- NIOSH – Health Standards – Health Effect and Precautions : Eye, mucous membrane and skin irritation
- NIOSH – Pocket Guide – IDLHs : 75 ppm IDLH
- NIOSH – Pocket Guide – Target Organs : Eyes, skin respiratory system
- NIOSH – Pocket Guide – TWAs : 1 ppm TWA; 1.4 mg / m³ TWA
- OSHA – Final PELs – Time Weighted Average : 1 ppm TWA; 1.4 mg / m³ TWA



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

below properties are typical, and should not be taken as Certificate of Analysis

Physical state	:	Liquid
Appearance	:	Clear colorless to pale straw liquid
Odor	:	
pH	:	6 – 8 (neat)
Solubility	:	
- in water	:	Soluble
- in organic solvents	:	
Specific Gravity	:	0.96 – 0.97
Flammability characteristics	:	
- Flash Point	:	> 94 °C
- Auto ignition temperature	:	

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	:	Stable under normal conditions.
Incompatibility	:	This product may react with strong oxidising agents.
Hazardous decomposition products	:	Upon decomposition, this product may yield oxides of nitrogen and ammonia.
Hazardous Polymerization	:	Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity	:	Not listed as carcinogenic according to IARC, NTP or OSHA.
Other Toxicological Information	:	Do not use nitrosating agent with this product since nitrosamines may form. Some nitrosamines have been shown to be carcinogenic in test with laboratory animals. Slightly toxic orally.
LD50 Value	:	Oral LD50 (rat) = > 500 – 5,000 mg / kg

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ACGHI - Carcinogenes	:	A3 – Animal Carcinogen
Mexico – Instruction No.10 – STELs	:	2 ppm STEL; 3 mg / m3 STEL
Mexico – Instruction No.10 – TWAs	:	1 ppm TWA; 1.5 mg / m3 TWA
NIOSH – Selected LD50s and LC50s	:	MX0890000 : Hydrogen peroxide, 8% to 20% (10 / 1 / 97): Oral LD50 Rat : 1518 mg / kg.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	:	No data available on finished product.
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SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Instructions	:	Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State / Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.
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SECTION 14 – TRANSPORT INFORMATION

UN number :
Packaging category : CLASS :

SECTION 15 – REGULATIONS INFORMATION

R – phrase (s) : NA
S – phrase (s) : NA

Labeling required in accordance with EEC directives : Not regulated

There are no additional regulations which define this product as dangerous and special provisions relating to labeling, packaging, handling of dangerous substances or preparations do not apply.

SECTION 16 – OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely the users' responsibility.