

MATERIAL SAFETY DATA SHEET



WALSH & ASSOCIATES, INC.

Effective Date: 1/25/11

1. CHEMICAL PRODUCT & COMPANY INFORMATION

Trade Name Walwet MO

Chemical Name N,N-Dimethyltetradecylamine N-oxide

Manufacturer Walsh & Associates, Inc.
1400 Macklind Ave.
St. Louis, MO 63110
314 781 2520

Telephone Numbers – 24 Hour Emergency Assistance

Medical 800 949 2574

Infotrac 800 535 5053

For Product Information: 800 949 2574

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
1-Tetradecanamine, N,N-dimethyl-, N-oxide	3332-27-2	28-32
Water	7732-18-5	68-72
Hydrogen Peroxide	7722-84-1	<0.3

HMIS Information Health – 1, Flammability – 1, Reactivity – 0

3. HAZARD IDENTIFICATION

Emergency Overview

Clear light amber solution with a mild odor.

Repeated/prolonged contact may cause eye and skin irritation. Ingestion may cause gastrointestinal discomfort including irritation, nausea and diarrhea.

This product is not combustible.

Use extinguishing media suitable for the materials that are burning.

Potential Health Effects

PRIMARY ROUTE(S) OF ENTRY

Eye contact; Skin Contact; Inhalation, Ingestion

SYMPTOMS OF EXPOSURE

Eye contact: Direct contact can cause pain and irritation.

Skin contact: Short periods of contact are not usually associated with skin irritation. Repeated direct contact can cause moderate irritation. Prolonged contact can result in moderate skin irritation.

Inhalation: Direct contact of exposure to high concentration of mists or vapors may cause irritation.

Ingestion: Direct contact or exposure may cause irritation. Ingestion of large amounts may cause gastrointestinal discomfort including irritation, nausea and diarrhea.

Chronic effects: No adverse effects are expected.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known

REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

Not applicable

4. FIRST AID MEASURES

EYE CONTACT

Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.

SKIN CONTACT

Wash affected areas with plenty of water and soap if available for several minutes. Seek medical attention if irritation develops or persists.

INHALATION

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION

Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

5. FIRE FIGHTING MEASURES

Flash Point and Method: >200F

GENERAL HAZARD

This product is not combustible.

EXTINGUISHING MEDIA

Use media suitable for the material that is burning.

SPECIAL FIRE FIGHTING INSTRUCTIONS

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

FIRE FIGHTING EQUIPMENT

As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Spill area will be slippery. Wear appropriate protective equipment (See Section 8).

Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread.

Prevent liquid from entering sewers or waterways.

7. HANDLING AND STORAGE

HANDLING

Wear appropriate protective equipment (See Section 8).

STORAGE

Keep container tightly closed. Keep away from heat and sunlight. Storage temperature range: 5-30 C. If material freezes, gently thaw prior to use. Mild agitation may be required.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS

In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

PERSONAL PROTECTION

Respirator: In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

Eye Protection: Wear safety glasses with side shields or goggles.

Gloves: Wear natural rubber gloves.

Clothing: Normal working clothing is generally adequate.

Other: Eye wash. Safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Viscous liquid solution
Color	Pale yellow
Odor	Mild
Melting Point C	Not determined

Boiling Point C	Not determined
Weight per Gallon	8.2 lb/gal
Specific Gravity 20C	0.98
Water Solubility	Soluble
pH	5.5 – 8.5

10. STABILITY AND REACTIVITY

Reactivity:	Stable
Incompatibilities:	Do not use with nitrosating agents. Strong oxidizers.
Hazardous Decomposition Products:	Oxides of Carbon and Nitrogen on combustion.
Conditions to Avoid:	Avoid contact with heat.

11. TOXICOLOGICAL INFORMATION

Oral LC50 (Rat):	>5000 mg/kg
Dermal LD50 (Rabbit):	No data
Inhalation LC50:	No data

Primary skin irritation (Rabbit):	No data
Primary eye irritation (Rabbit):	No data

12. ECOLOGICAL INFORMATION

EC50 48 hours (Daphnia)	2.63 mg/l Ref. Toxid 1729
EC50 72 hours (Algae)	0.1 – 1 mg/l Ref. APAG
LC50 96 hours (Brachydanio rerio)	2.44 mg/l Ref. Toxid 1482

BOD	No data
COD	No data
Heavy metals	No data

Ecotoxicology	Contains substance(s) considered very toxic to aquatic organisms.
Degradation	Contains only readily biodegradable substances.
Ecotoxicology	Very toxic to aquatic organisms.
Degradation	Readily biodegradable. >60% BOD, 28 days, Closed Bottle Test (OECD 301D).

13. DISPOSAL CONSIDERATIONS

RCRA Waste Code: Not regulated under RCRA, 40 CFR 261

Products: Keep away from natural water sources. Observe all applicable federal, state, and local regulations.

Empty packaging: Remove all residue when emptying.

14. TRANSPORTATION INFORMATION

DOT Hazard Classification:	No classification assigned.
Canadian Transportation of Dangerous Goods:	No classification assigned.

International

Proper shipping name Environmentally Hazardous Substance,Liquid,n.o.s.
(Alkyldimethylamine Oxide)

Land transport

UN Number 3082
ADR Class 9
ADR Packing Group III
Classification Code M6
CEFIC number 90GM6-III
RID class 9
RID Packing Group III
Tremcard internal code 901

Sea transport

UN Number 3082
IMDG Class 9
IMDG Packing Group III
EmS F-A, S-F
Marine Pollutant No

Air transport

UN Number 3082
IATA/ICAO Class 9
Packing group III

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (26 CFR 1910.1200)

(X) Hazardous () Non-Hazardous

CERCLA/SUPERFUND (40 CFR 117.302)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA HAZARD CATEGORIES (40 CFR 370)

Chronic

SARA TOXIC SUBSTANCES (40 CFR 372)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

STATE REGULATIONS

None listed

CALIFORNIA PROPOSITION 65

Not regulated

16. OTHER INFORMATION

This MSDS has been revised to follow the American National Standards Institute (ANSI) Standard ANSI Z400.1-1993 for the preparation of Material Safety Data Sheets for hazardous industrial chemicals.

This MSDS replaces all previous versions for this product. Please discard all previous versions as they may contain changed or obsolete information.

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness.