

MATERIAL SAFETY DATA SHEET



1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name **ONYXIDE 200 MUP**
Manufacturer Stepan Company
22 West Frontage Road
Northfield, IL 60093 USA

Telephone Numbers - 24 Hour Emergency Assistance
Medical 800-228-5635
Chemtrec 800-424-9300
Chemtrec Int'l 703-527-3887

Telephone Numbers - General Assistance
General (847) 446-7500

Product Class Triazine
Product Number 3312

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Weight Range
_1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	78.5 %
_Water	7732-18-5	21.5 %

3 HAZARDS IDENTIFICATION

Emergency Overview

Clear liquid, amber color.

Warning!

May cause severe irritation to eyes and skin.

Health Effects: Eyes

Contact can cause moderate to severe irritation and possible injury to the eyes.

Health Effects: Skin

Repeated or prolonged contact may cause severe irritation. Prolonged contact with this product may cause allergic skin sensitization reactions.

Health Effects: Inhalation

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Health Effects: Ingestion

This product may be harmful if it is swallowed.

4 FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Skin

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 the material is swallowed, get immediate medical attention or advice. Do not induce vomiting.

Notes to Physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5 FIRE FIGHTING MEASURES

Flash Point (> 93.9 °C), > 201 F

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment / Instructions

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.

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 not touch or walk through spilled material. 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. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Surfaces may become slippery after spillage.

7 HANDLING & STORAGE

Handling Procedures

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 Procedures

Avoid freezing or excessive heat. Keep this material in a cool, well-ventilated place. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

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 chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. Use impervious gloves.

Personal Protective Equipment: Respiratory

If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

9 PHYSICAL & CHEMICAL PROPERTIES

Flash Point	(> 93.9 °C), > 201 F
Boiling Point	(100 °C), 212 F
Specific Gravity	(9.568 lb/gal), 1.15 g/ml
Percent Volatile	21.5 % (w/w)
Vapor Density	Estimated lighter than air.
Evaporation Rate	Estimated slower than ethyl ether.
Solubility in Water	Miscible.
RVOC	0 %
pH Value	10.5 as is

Appearance and Odor

Clear liquid, amber color.

10 STABILITY & REACTIVITY

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

Avoid strong oxidizing agents.

Incompatibility

This product may react with strong acids or oxidizing agents.

Hazardous Decomposition

At thermal decomposition temperatures carbon monoxide, carbon dioxide, and oxides of nitrogen.

Hazardous Polymerization

Will not occur.

11 TOXICOLOGICAL INFORMATION

LD50 Value

Dermal LD50 (rabbit) = >2,000 < or equal to 20,000 mg/kg

_1,3,5-Triazine-1,3,5(2H,4H,6H)-triet 4719-04-4

NIOSH - Selected LD50s and LC50s

Oral LD50 Rat : 763 mg/kg

12 ECOLOGICAL INFORMATION

Ecotoxicity

No data available on finished product.

13 DISPOSAL CONSIDERATIONS

Disposal Instructions

CONTAINER DISPOSAL - Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

14 TRANSPORT INFORMATION

DOT Proper Shipping Name Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

15 REGULATORY INFORMATION

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_1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	78.5 %
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Inventories

All components of this product are listed on the following inventories: U.S.A.(TSCA), Canada(DSL), Europe(EINECS/ELINCS/Polymer/NLP), Japan(ENCS), Australia(AICS), Korea(ECL), Philippines(PICCS) Swiss (SWISS),

There is no calculable reportable quantity (RQ) for this product.

16 OTHER INFORMATION

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HAZARD RATINGS HMIS NFPA

Health	2	2
Flammability	1	1
Reactivity	0	0
PPE	X	

Completed On 11/8/02 **Replaces Sheet Dated** 10/31/2002
Completed By Product Safety & Compliance