

MATERIAL SAFETY DATA SHEET

ALLIANCE GROUP INC ADDRESS: N114 W18621 CLINTON DRIVE CITY: GERMANTOWN
STATE: WI ZIP CODE : 53022 EMERGENCY NUMBER: 262-251-4977
PRODUCT NAME: Oxytrol PRODUCT CODE: 0111 Revised: 07-12-2006 Replaces: 01-15-2002

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: OXYTROL
Chemical Family: Sulfite solution
Formula: Proprietary Information

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: DANGER! CORROSIVE. May cause severe irritation or burns to the eyes. Causes skin irritation. May cause an allergic reaction to skin, respiratory tract or if swallowed. Harmful if swallowed.

Physical State: Liquid
Color: Clear. Water white.
Odor: No odor.

POTENTIAL HEALTH EFFECTS

Routes Of Exposure: Eyes. Ingestion. Inhalation. Skin.

Target Organs: None known.

Eye Contact: Solutions will cause irritation or burns to the eyes.

Skin Contact: Contact may cause: allergic skin reaction. Solutions will cause skin irritation.

Skin Absorption: No data available.

Inhalation: Dusts or mists may irritate: respiratory tract. May cause severe or deadly allergic reaction in some asthmatics or sulfite sensitive individuals. Possible signs and symptoms of allergic reaction may include hives, respiratory distress, flushing, gastrointestinal disturbances and contact dermatitis. Severe cases result in respiratory arrest, unconsciousness or coma.

Ingestion: May cause: gastrointestinal irritation. nausea. vomiting. death. Large amounts may cause: violent colic. diarrhea. circulatory disturbances. central nervous system depression. May cause severe or deadly allergic reaction in some asthmatics or sulfite sensitive individuals.

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Medical Conditions Aggravated By Exposure To Product: Respiratory system disorders. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and sulfite-sensitive individuals.

Other: This product is not for drug use. Only Food Grade material is for use as a food additive.

Cancer Information: This product does not contain greater than 0.1% of the known or potential carcinogens listed in NTP, IARC, or OSHA.

Potential Environmental Effects: See Section 12.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	OSHA Hazard	% by Wt.
Sodium Sulfite	7757-83-7	YES	< 20 %

4. FIRST-AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

Skin Contact: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Give 1-2 glasses of water to drink.

Note to Physicians: Treat symptomatically. Note potential for anaphylactic shock with allergic individuals. Risk of sulfur dioxide formation by reaction with gastric acid after swallowing.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Not flammable. Use extinguishing agents appropriate for surrounding fire.

Fire Fighting Methods: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire exposed containers and disperse vapors.

Fire And Explosion Hazards: None known.

Hazardous Combustion Products: At elevated temperatures, product will decompose generating: Sulfur dioxide.

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6. ACCIDENTAL RELEASE MEASURES

Spill Clean-Up Procedures: CORROSIVE MATERIAL. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit. Contain spill, place into drums for proper disposal. Flush remaining area with water to remove trace residue and dispose of properly. Provide ventilation to clear sulfur dioxide fumes which may be generated by the sodium sulfite component. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling.

Storage: CORROSIVE MATERIAL. Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

<u>Component</u>	<u>OSHA PEL</u>	<u>OSHA STEL/C</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL/C</u>
Sodium Sulfite	Not Estab.	Not Estab.	Not Estab.	Not Estab.

Engineering Controls: General room ventilation and local exhaust are required. Avoid creating dust or mist. Maintain adequate ventilation. Do not use in closed or confined spaces. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

Eye/Face Protection: Wear chemical safety goggles while handling this product. Do not wear contact lenses.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Impervious.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. If exposure limits are exceeded, wear: NIOSH-Approved respirator for dusts, mists, and/or SO₂ vapors as conditions indicate. NIOSH-Approved Supplied Air Respirator (SAR). NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 191 0.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety shower. Rubber apron. Rubber boots. Protective clothing.

General Hygiene Conditions: Wash with soap and water before meal times and at the end of each work shift.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.
Color: Clear. Water white.
Odor: No odor.
Boiling Point (deg. F): N.D.
Freezing Point (deg. F): N.D.
Melting Point (deg. F): N.D.
Vapor Pressure (mm Hg): N.D.
Vapor Density (air=1): N.D.
Solubility in Water: Complete
pH: ~10 (as is)
Specific Gravity: 1.12-1.15 @ 25C
% Volatile (wt%): N.D.
Evaporation Rate (nBuAc = 1): N.D.
VOC (wt%): 0
VOC (lbs/gal): 0
Viscosity: N.D.
Flash Point: N.A.
Flash Point Method: N.A.
Lower Explosion Limit: N.A.
Upper Explosion Limit: N.A.
Autoignition Temperature: No Data

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions To Avoid: Avoid elevated temperatures.

Incompatible Materials: Acids. Oxidizing agents. Nitrites. Nitrates.

Hazardous Decomposition Products: Sulfur dioxide. Sulfur oxides. Sodium sulfide residue.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur under normal conditions. Contact with acids will release sulfur dioxide. Contact with strong oxidizers causes vigorous exothermic reactions.

11. TOXICOLOGICAL INFORMATION

LD50 Oral: No Data
LD50 Skin: No Data
LC50 Inhalation: No Data

12. ECOLOGICAL INFORMATION

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Ecotoxicological Information: No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: N.A.

Disposal Method: Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

DOT (Department of Transportation):

Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM SULFITE)

Hazard Class: 8

Identification Number: UN3266

Packing Group: II

Label Required: CORROSIVE

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA Inventory Status: This product or all components of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

SARA Title III Section 311/312 Category:

Immediate (Acute) Health Hazard: Y

Delayed (Chronic) Health Hazard: Y

Fire Hazard: N

Sudden Release Of Pressure Hazard: N

Reactive Hazard: N

SARA Section 302/304/313/HAP:

<u>Component</u>	<u>CERCLA RQ</u>	<u>SARA RQ</u>	<u>SARA TPQ</u>	<u>SARA 313</u>	<u>U.S. HAP</u>
Sodium Sulfite	N.A.	N.A.	N.A.	NO	NO

U.S. STATE REGULATIONS

California - The following components are listed under Proposition 65:

Lead <= 3 ppm

Wisconsin :The following components are listed as a Wisconsin HAP: None

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16. ADDITIONAL INFORMATION

Health: 2*

Flammability: 0

Reactivity: 0

* = Chronic Health Hazard

NFPA Rating System

Health: 2

Flammability: 0

Reactivity: 0

Special Hazard: None

MSDS Abbreviations

N.A. = Not Applicable

N.D. = Not Determined

HAP = Hazardous Air Pollutant VOC

= Volatile Organic Compound C =

Ceiling Limit

N.E./Not Estab. = Not Established

MSDS Prepared by: NAO

Reason for Revision: Changes made throughout the MSDS.

The data in this Material Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Alliance Group, Inc. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.