

Oxytrol S

SDS Number: 0143

Revision Date: 1/8/2020

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Alliance Group Inc. 262-251-4977
N114 W18621 Clinton Drive
Germantown, WI 53022

Phone: 800-255-3924

Emergency: CHEMTEL

Product Identifier: Oxytrol S
Common Name: Sodium Bisulfite
SDS Number: 0143
Revision Date: 1/8/2020
Product Use: Water Treatment Compound

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Skin corrosion/irritation, 2
Health, Acute toxicity, 4 Oral
Health, Serious Eye Damage/Eye Irritation, 1
Environmental, Hazards to the aquatic environment - Acute, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H315 - Causes skin irritation
H302 - Harmful if swallowed
H318 - Causes serious eye damage
H402 - Harmful to aquatic life

GHS Precautionary Statements:

P234 - Keep only in original container.
P264 - Wash skin thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P342 - If experiencing respiratory symptoms: Call a Poison Center or doctor.
P362 - Take off contaminated clothing and wash before reuse.
P404 - Store in a closed container.
P501 - Dispose of contents/container in accordance with local, regional, and international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin.

Target Organs: No data available.

Inhalation: Product is irritating to the nose, throat and respiratory tract. Some irritation may occur with exposure to a



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large amount of product vapors.

Skin Contact: May cause symptoms of skin irritation such as reddening, swelling, and/or rash.

Eye Contact: Vapors from the product may be irritating to the eyes, This produce may cause irritation and tearing.

Ingestion: May be harmful if swallowed. Ingestion of large amounts may cause nausea, GI upset and abdominal pain.

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0

HMIS	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

3 COMPOSITION/INFORMATION OF INGREDIENTS

Substance/Mixture: Mixture

Chemical Ingredients:		
CAS#	%	Chemical Name:
7631-90-5	<30%	Sodium bisulfite

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water for 15 minutes. Wash with soap and water. Remove contaminated clothing immediately. Consult a physician if skin irritation develops. Do not apply oils and ointments unless ordered by a physician.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
** Get immediate medical attention.

Ingestion: If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink large amounts of water. Consult a physician.

5 FIRE FIGHTING MEASURES

Flammability: Not flammable or combustible.

Flash Point: No data available.

Flash Point Method: No data available.

Burning Rate: No data available.

Autoignition Temp: No data available.

LEL: No data available.

UEL: No data available.

Fire Fighting Methods

Evacuate area of unprotected personal. 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.



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Extinguishing Media

Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable fire extinguisher: No data available.

Unusual Fire or Explosion Hazards: Sulfur dioxide gas will be released at a rate increasing with high temperatures

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ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment should be avoided.

Spill

CORROSIVE MATERIAL. Contain spill, place into drums for disposal. Soak up with inert absorbent material and dispose of as hazardous waste.

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HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Consider normal working hygiene. Wash hands thoroughly after handling.

Storage Requirements: **CORROSIVE MATERIAL.** Store in cool/dry area. Keep away from incompatible materials. Keep container tightly closed. Do not store in unlabeled or mislabeled containers. Do not freeze. Store above 40 °F to avoid crystallization.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation. Maintain adequate ventilation.

Personal Protective Equipment: Engineering Measures: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Maintain adequate ventilation.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Eye protection: Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid.

Skin protection: Prevent contact with this product. Handle with gloves. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product.

Component	OSHA PEL	ACGIH TWA/ TLV
Sodium Bisulfite	5 mg/m ³ - TWA	5 mg/m ³ - TWA

Sulfur Dioxide gas may be released.

**Exposure Limit for Sulfur Dioxide are: 5ppm - TWA (OSHA); 2ppm TWA; 5ppm-STEL (ACGIH)

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PHYSICAL AND CHEMICAL PROPERTIES



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Appearance:	Clear. Light pale yellow / light pink.
Physical State:	Liquid.
Odor:	Pungent odor.
Odor Threshold:	No data available.
Molecular Formula:	No data available.
Particle Size:	No data available.
Solubility:	Appreciable.
Spec Grav./Density:	1.32 @ 25 C
Softening Point:	No data available.
Viscosity:	No data available.
Percent Volatile:	No data available.
Saturated Vapor Concentration:	No data available.
Heat Value:	No data available.
Boiling Point:	No data available.
Freezing/Melting Pt.:	32° F
Flammability:	No data available.
Flash Point:	No data available.
Partition Coefficient:	No data available.
Octanol:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
pH:	3.0 - 5.0
VOC:	No data available.
Evap. Rate:	No data available.
Auto-Ignition Temp:	No data available.
Decomp Temp:	No data available
UFL/LFL:	No data available.

10**STABILITY AND REACTIVITY**

Reactivity:	No data available.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Contact with organic material may cause fire. To dilute: Add products slowly to lukewarm water, not water to product.
Materials to Avoid:	Oxidizing agents. Corrosive to some metals.
Hazardous Decomposition:	Sulfur dioxide gas. Sulfur oxides.
Hazardous Polymerization:	Will not occur under normal conditions.

11**TOXICOLOGICAL INFORMATION****Toxicity Data:**

Eye Effects: Vapors may cause eye irritation. May cause serious eye damage/eye irritation if left untreated. Effects may vary depending on the length of exposure, solution, concentration, and first aid measures.

» Sodium Bisulfite - Eyes - no data available

Skin Effects: May cause mild skin irritation with symptoms such as reddening, swelling, rash, or blistering

» Sodium Bisulfite - Skin corrosion/irritation - no data available



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Inhalation Effects: Product is irritation to the nose, throat and respiratory tract

» Sodium Bisulfite - Inhalation LC50 - no data available

Ingestion Effects: May cause allergic reaction in some asthmatics. Large amounts may cause nausea, gastrointestinal upset and abdominal pain.

» Sodium Bisulfite - Oral LD50 - Rat = 1540 mg/kg

Chronic Effects: No data available.

Mutagenicity: No data available.

Teratogenicity: No data available.

Fertility Effects: No data available.

Carcinogenicity: IARC: 3 - Group 3: not classifiable as to its carcinogenicity to humans

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or

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ECOLOGICAL INFORMATION

Biodegradability: No data available.

Ecotoxicity Toxicity to fish:

LC50- *Gambusia affinis* (Mosquito fish) - 240 mg/L- 96 hr (Sodium Bisulfite)

Toxicity to aquatic invertebrates:

EC50- *Daphnia magna* (Water flea) - 102 mg/L- 4.2 d (Sodium Bisulfite)

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

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DISPOSAL CONSIDERATIONS

This material, if discarded as produced, is not a RCRA "listed" hazardous waste. However, it should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

RCRA: No component of this product is listed as a hazardous waste.

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TRANSPORT INFORMATION

UN2693, Bisulfites, aqueous solutions, n.o.s., 8, PGIII, (Sodium Bisulfite)

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**15****REGULATORY INFORMATION**

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

FEDERAL REGULATIONS

TSCA Inventory Status: All components of this product are listed as "Active" on the Toxic Substances Control Act (TSCA) 8 (b) Inventory.

CERCLA / SARA Emergency Reporting: A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements.

» **Sodium Bisulfite CERCLA reporting amount - 5000 lbs.**

SARA Title III Section 313: **This product does not require reporting.**

Clean Water Act (CWA): The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. »

Sodium Bisulfite (CAS #7631-90-5)

STATE REGULATIONS

California- The following components are listed under Prop 65: None.

Massachusetts - RTK Substances: The following components are listed: None listed

New Jersey - RTK Substances: The following components are listed: Sodium Bisulfite (CAS #7631-90-5)

Pennsylvania - RTK Substances: The following components are listed: Sodium Bisulfite (CAS #7631-90-5)

16**OTHER INFORMATION**

Prepared By: P May

Reason For Revision: Updated GHS & Regulatory Information

Disclaimer:

This information is given in good faith and based on our current knowledge of the product. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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