

MATERIAL SAFETY DATA SHEET

THE TREAT-EM-RITE CORPORATION OS-2

2 HMIS Health
0 HMIS Fire
0 HMIS Reactivity
None Special

SECTION 1 - IDENTIFICATION

Company Name: The Treat-Em-Rite Corporation
Post Office Box 214
Pearsall, Texas 78061-0214
Phone Number: 830-334-4641
Emergency Phone Number: Chem Trec: (800) 424-9300
Effective Date: March, 1990
Trade Name: The Treat-Em-Rite Corporation OS-2
Chemical Family: Oxygen Scavenger/Oxidizer
CAS Number: Blend
Chemical Formula: Confidential

SECTION 2 - PRODUCT IDENTIFICATION

Product Name: Sodium Bisulfite
CAS No: Mixture
Common Names/Synonyms: Sodium Acid Sulfite; Oxidizer; Sodium Hydrogen Sulfite
Formula: Mixture **Hazard Rating Scale:** 0=Minimal
Hazard Rating (NFPA 704 Criteria) 1=Slight 2=Moderate 3=Serious
* Listed Above * 4=Severe

SECTION 3 - HAZARDOUS INGREDIENTS

Exposure Limits, MG/M3						
Hazardous Components	Cas No.	%	Osha PEL	Acgih TLV	Other Limit	Hazard
Sodium Bisulfite	7631-90-5	Unk	None	5	None	Irritant
Sodium Metabisulfite	7381-57-4	Unk	None	5	None	Irritant

SECTION 4 - PHYSICAL PROPERTIES

Boiling Point (F): ND
Vapor Pressure (mm Hg) DEG. C: N/G
Melting Point Deg. (F): >302 Decomposes
Vapor Density (Air=1): N/G
Specific Gravity (Water=1): 1.48
Water Solubility, %: 100
Appearance and Odor: Light Amber w/Slight Alcohol Odor
Evaporation Rate (Butyl Acetate=1): N/G

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SECTION 5 - FIRST AID MEASURES

If Inhaled: Remove to fresh air. Give artificial respiration. If not breathing. Get medical attention.

In case of eye contact: Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate attention.

In case of skin contact: Immediately wash skin with lots of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

If Swallowed: Do not induce vomiting. If conscious, give lots of water or milk. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure: Skin or eye contact, inhalation

Signs and Symptoms of Exposure Inhalation: Breathing may irritate the nose and throat and lungs.

Eye Contact: May irritate the eyes causing redness and pain.

Skin Contact: Concentrated solutions may be irritating to the skin.

Swallowing: Swallowing the liquid will cause irritation to the mouth, esophagus, and stomach resulting in nausea, vomiting, headache and abdominal pain. Large doses may be fatal.

Chronic Effects of Exposure: No specific information available.

Medical conditions

generally aggravated by exposure: Some individuals are extremely sensitive to minute amounts of ingested sulfites. Symptoms may include broncho constriction, shock, gastrointestinal disturbances, angio-edema, flushing, and tingling sensations.

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SECTION 7 - TOXICITY DATA

Oral: Rat LD50 = 2 G/KG Dermal: No data found

Inhalation: No data found

Carcinogenicity: This material is not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

Other Data: This material has been found to be experimentally Mutagenic

SECTION 8 - PERSONAL PROTECTION

Respiratory Protection: NIOSH approved Organic Vapor Mask recommended
Ventilation: Desired in closed places.
Mechanical Exhaust: Desired
Local Exhaust: Desired in closed places.
Protective Gloves: Chemical Type suitable for alcohol solvents.
Eye Protection: Chemical Goggles or Full Face Shield recommended.
Other Protective Equipment: HMIS Personal Protection: B: Safety Glasses and Gloves.

SECTION 9 - FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point, Deg. F: Not Flammable Flammable Limits in Air, %
Method Used: N/A Lower: N/A Upper: N/A

Extinguishing Media: This material is not combustible. Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

Unusual Fire and Explosion Hazards: Extinguish all nearby sources of ignition since vapors decompose to toxic products at high temperatures.

SECTION 10 - HAZARDOUS REACTIVITY

Stability: Strength diminished somewhat with age. Gradually decomposes in air to sulfate, generating sulfurous acid gas.

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Continued: Section 10 - Hazardous Reactivity

Polymerization: Will Not Occur. Conditions to Avoid: Air, Heat (Above 221 Deg. F.).

Materials to avoid: Acids, Oxidizing Materials, Aluminum, Water.

Hazardous Decomposition Products: Will Liberate Oxides of Sulfur and NA_2O .

SECTION 11 - SPILL, LEAK, AND DISPOSAL PROCEDURES

Action to take for spills or leaks: Wear protective equipment including rubber boots, rubber gloves, rubber apron, and a self-contained breathing apparatus in the pressure demand mode or a supplies-air respirator. If the spill or leak is small, a full face-piece, air-purifying cartridge respirator equipped with particulate filters may be satisfactory. In any event, always wear eye protection. For small spills, pick up and dispose of in DOT-approved waste containers. Comply with all applicable governmental regulations on spill reporting, and handling and disposal of waste.

Disposal Methods: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state, and local regulatory agencies to ascertain proper disposal procedures.

Note: Empty containers can cause residues, gases, and mists and are subject to proper waste disposal, as above.

SECTION 12 - SPECIAL PRECAUTIONS

Storage and Handling Precautions: Store in a cool, dry, well ventilated place away from incompatible materials. Wash thoroughly after handling. Do not get in eyes, on skin, or clothing.

Repair and Maintenance Precautions: None

Other Precautions: Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

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Continued: Section 12 - Special Precautions

Other Precautions: In late 1985, the U.S. Food and Drug Administration proposed to ban the use of Sodium Bisulfite on fruits and vegetables intended to be served raw to consumers (50 FR 32830, August 14, 1985.) The use of this product for that purpose is no longer considered to be generally recognized as safe.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, The Treat-Em-Rite Corporation makes no representations as to its accuracy or sufficiency. Conditions of use are beyond The Treat-Em-Rite Corporations' control and therefore, user's are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon , information contained herein. This information related only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.