

MATERIAL SAFETY DATA SHEET
emergency telephone (262) 251-4977

Section 1 - Chemical Product and Company Identification

Company Name: Alliance Group, Inc.

Address: N114 W18621 Clinton Drive
State: Wisconsin

City: Germantown
Zip Code: 53022

Product name: Spectrum OS-192

Product code: 0192

Chemical Family: Potassium Salt

Revised: 9/1/08

Replaces: 10/21/99

Section 2 - Hazards Identification

EMERGENCY OVERVIEW: WARNING! May cause eye, skin, and respiratory irritation. May be harmful if swallowed. May cause allergic reaction.

Physical State: Liquid.

Color: Clear. Colorless.

Odor: No odor.

POTENTIAL HEALTH EFFECTS

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

Eye Contact: May cause: irritation. redness. pain.

Skin Contact: Contact may cause skin irritation or burns.

Ingestion: Large doses can be tolerated but may cause gastric irritation by the liberation of sulfurous acids.

Inhalation: Dusts or mists may irritate: respiratory tract.

Medical Conditions Aggravated By Exposure To Product: Some asthmatics are said to be dangerously sensitive to minute amounts of sulfites in foods and some bronchodilator medications preserved with sulfites.

*****WARNING***:** SULFUR DIOXIDE GIVEN OFF BY THIS PRODUCT HAS BEEN SHOWN TO CAUSE BREATHING DIFFICULTIES IN ASTHMATICS. Although only moderately toxic in large amounts, sulfites can pose risk to some asthmatics producing central nervous system depression, bronchoconstriction and anaphylaxis.

Chronic Effects of Overexposure: No additional information available.

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

Potential Environmental Effects: See Section 12.

Section 3 - Composition/Information on Ingredients

<u>Component</u>	<u>CAS Number</u>	<u>OSHA Hazard</u>	<u>% by Wt.</u>
Potassium Sulfite	10117-38-1	Yes	<35%

Section 4 - First Aid Measures

First Aid Procedure-Never give fluids or induce vomiting if patient is unconscious or having convulsions. CALL A PHYSICIAN

Eyes: Immediately flush 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: Immediately flush skin with soap and water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. Get medical attention if irritation develops or persists.

Ingestion: If fully conscious, give two glasses of water, then induce vomiting by touching back of throat with finger. Keep head below hips to prevent aspiration of liquid into lungs. Call a physician immediately. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation occurs.

Section 5 - Fire Fighting Measures

Extinguishing Media: For fires in area use appropriate media. For example: Water spray. Dry chemical. Carbon dioxide. Alcohol foam.

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.

Fire and Explosion Hazards: None known.

Hazardous Combustion Products: Irritating and/or toxic gases. Corrosive vapors.

Section 6- Accidental Release Measures

Spill Clean-Up Procedures: Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Contain spill, place into a chemical waste container for proper disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

Waste Disposal Methods: Observe all Local, State, and Federal Regulations. Dispose of at approved Waste Treatment Facility. Do Not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, flame, sparks, or other sources of ignition.

Section 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: Store in a cool, well ventilated area, out of direct sunlight. Keep container tightly closed when not in use. Store in dry location away from excessive heat. Keep away from incompatible materials. Do not store in unlabeled or mislabeled containers.

Section 8 - Exposure Control / Personal Protection

Exposure Guidelines:

Component	OSHA PEL	OSHA STEL/C	ACGIH TWA	ACGIH STEL/C
Potassium Sulfite	Not Estab.	Not Estab.	Not Estab.	Not Estab.

Note: Manufacturer recommends Exposure Limits for Sulfur Dioxide be used as a guide: 5 ppm – TWA (OSHA); 2 ppm – TWA, 5 ppm – STEL (ACGIH) (Vacated 1989 OSHA PELs)

PROTECTIVE EQUIPMENT:

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

Skin: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Rubber (latex)

Other Protective Equipment: Eye wash station. Safety shower. Chemical safety shoes.

Respiratory Protection: Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If mist or spray is present, wear: NIOSH-Approved respirator for dusts and mists. NIOSH-Approved self-contained breathing apparatus for Sulfur Dioxide. Do Not exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

General Hygienic Practices: Wash with soap and water before eating and at the end of each work shift. Remove contaminated clothing and wash before reuse. Do not eat, drink, or smoke in work area.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: Clear. Colorless.
Odor: No odor.
Boiling Point: 212-270 °F
Freezing Point: N.D.
Specific Gravity: 1.275 @ 25 °C
Solubility in water: Complete
pH: 9.0 (as is)
% Volatile (wt%): N.D.
Vapor Density: N.D.
Vapor Pressure: N.D.
Evaporation Rate: N.D.
Flash Point: N.D.
Lower Explosion Limit: N.A.
Upper Explosion Limit: N.A.
Autoignition Temperature: No Data

Section 10 - Stability and Reactivity

Stability: Product stable under normal conditions

Hazardous Polymerization: Will not occur under normal conditions

Conditions to avoid: Unstable with heat; releases toxic gases. May air oxidize.

Incompatible Materials: Strong Acids. Strong oxidizing agents.

Hazardous Decomposition Products: Sulfur dioxide. Sulfur oxides.

Section 11 - Toxicological Properties

No product or component toxicological information is available at this time.

Section 12 - Ecological Information

Ecotoxicological Information: No data available.

Chemical Fate Information: No data available.

Section 13 - Disposal Information

Hazardous Waste Number: N.A.

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

Section 14 - Transportation Information

DOT Proper Shipping Name: Not regulated by the DOT.

Shipping Description: Compound, boiler cleansing preserving scale preventing, liquid

Section 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 Information Section 311/312 Category:

Immediate (Acute) Health Hazard:	Yes
Delayed (Chronic) Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

SARA Section 302/304/313/HAP:

Component	CERCLA RQ	SARA RQ	SARA TPQ	SARA 313	U.S. HAP
Potassium Sulfite	N.A.	N.A.	N.A.	NO	NO

U.S. STATE REGULATIONS

California: The following components are listed under Proposition 65: No data available.

Wisconsin: The following components are listed as Wisconsin HAP: No data available.

Section 16 - Other Information

MSDS Abbreviations

N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

HMIS/NFPA label information

	HMIS	NFPA	KEY
Health	2	2	0 = minimal
Flammability	0	0	1 = slight
Reactivity	0	0	2 = moderate
			3 = serious
			4 = severe

The above information is believed to be accurate and discloses the known hazards for this product as of this date. 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.

MSDS Prepared by: P. May