

CHEMICAL EQUIPMENT LABS, INC
COMPOUND 530-S
Safety Data Sheet (SDS)

Section 1: Identification of the substance/mixture and of the company/undertaking

PRODUCT IDENTIFIER

Product name: Compound 530-S

Product form: Mixture

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/corrosion control

Details of the supplier of the safety data sheet

Name/Address: Chemical Equipment Labs, INC
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Linwood, PA 19061

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EMERGENCY TELEPHONE NUMBER

CHEMTREC (800) 424-9300

Section 2: HAZARD(S) IDENTIFICATION

Emergency overview

Target organs	: Respiratory systems, eyes, skin
GHS Classification	: Acute Toxicity, Oral (Category 4) Acute Toxicity, Inhalation (Category 4) Acute Toxicity, Dermal (Category 4) Eye damage/irritation (2A)

Hazard statements

H302-Harmful if swallowed
H312-Harmful in contact with skin
H319-Causes serious eye irritation
H332-Harmful if inhaled

Precautionary statements

P261-Avoid breathing dust/fume/gas/mist/vapor/spray
P280-Wear protective equipment for hands, eyes, face and respiratory tract

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September 15, 2016

P305, P351, and P338- IF IN EYES: Rinse with water for several minutes.
Remove contact lenses if present and continue rinsing.

Other hazards

Contact with acids may release toxic sulfur oxides.

HMIS Hazards

Health : 1
Flammability : 0
Reactivity : 1

Potential health effects

Inhalation : Irritant
Eye : Irritant
Skin : Irritant
Ingestion : Harmful if swallowed

Medical Condition aggravated by long term exposure – Capable of provoking bronchospasm in sulfite sensitive individuals with asthma.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

NAME	PRODUCT IDENTIFER	%
Sodium Sulfite	(CAS No) 007757-83-7	Proprietary
Water	(CAS No) 7732-18-5	Proprietary

Section 4: FIRST-AID MEASURES

Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person.
First aid measures after inhalation : IF INHALED: Remove to fresh air. Seek medical attention in severe cases or if recovery is not rapid.
First- aid measures after skin contact : IF ON SKIN (or clothing): Wash with soap and drench with water. Remove contaminated clothing and wash before reuse.
First-aid measures after eye contact : IF IN EYES: Irrigate with water until no evidence of chemical remains. Obtain medical attention
First-aid measures after ingestion : IF SWALLOWED: Give large quantities of milk or water immediately. Obtain medical attention.

After first aid, get appropriate medical attention. Note to Physician: Exposure may aggravate acute or chronic asthma, emphysema and bronchitis.

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Section 5: FIRE FIGHTING MEASURES

Flash point	: Not combustible.
Flash point method	: Not applicable.
Burning rate	: Not applicable.
Auto ignition temperature	: Not applicable.
LEL	: Not applicable.
UEL	: Not applicable.
Flammability classification	: Not flammable.
Extinguishing media	: use extinguishing agent appropriate for surrounding fire conditions.
Hazardous products of combustion	: Carbon monoxide (CO); carbon dioxide; phosphines
Extinguishing media	: Water spray, foam, dry chemical, or carbon dioxide
Unusual fire and explosion hazards	: Firefighters, and others exposed, wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.
Unusual fire or explosion	
Hazards	: None indicated.
Hazardous combustion products	: May release hazardous gas.
Fire-fighting instructions	: Do not release runoff from fire control methods to sewers or waterways.
Fire-fighting equipment	: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

Section 6: ACCIDENTAL RELEASE MEASURES

Spill/Leak procedures	: Wear appropriate PPE – See Section 8.
Small spills/leaks	: Leaks may be located by spraying the area with ammonium hydroxide solution which forms a white fume in the presence of sulfur dioxide.
Large spills/leaks	: Large spills should be handled according to a predetermined plan.
Containment	: For large spills, dike far ahead of contaminated runoff for later disposal.

Section 7: HANDLING AND STORAGE

Handling

Avoid contact with product. Do not breathe vapor

Storage

Avoid heat or moisture. Store in areas, away from heat and moisture and protected from physical damage. Segregate from acids and oxidizers.

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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Composition	CAS Number	TWQ	STEL	IDLH
Sodium Sulfite	007757-83-7	*	*	*
Sodium Sulfate	007757-82-6	*	*	*

*None established. Control as nuisance dust.

Ventilation	: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA limits (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at the source.
Respiratory protection	: Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear a SCBA. Warning! Air purifying respirators do not protect workers in oxygen-deficient atmospheres.
Protective clothing / equipment	: Wear protective gloves, boots, and clothing when necessary to prevent excessive skin contact. Wear protective eyeglasses or goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133).
Safety stations	: Make emergency eye wash stations, showers, and washing facilities available in the work area.
Contaminated equipment	: Remove this material from personal protective equipment as needed.
Comments	: Do not eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before food and beverage consumption.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Crystal or powder
Appearance	: White
Odor threshold	: Odorless
Vapor pressure	: NA
Vapor density (Air=1)	: NA
Formula weight	: 126.04
Density	: 85-95 lb/ft ³
Water solubility	: 21 % @ 68°F
Other solubility	: Soluble in Glycerin
Boiling point	: NA
Freezing point	:
Melting point	: Decomposes
Evaporation rate	: NA
pH	: 9-10 (1% solution)
% volatile	: NA

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Section 10: STABILITY AND REACTIVITY

Stability	: Stable under normal conditions.
Polymerization	: Hazardous polymerization will not occur.
Chemical incompatibilities	: Sodium sulfite may, in acidic solutions, release toxic and hazardous fumes of sulfite oxides, including sulfur dioxide. Acute poisoning from sulfur dioxide is rare because the gas is easily detected. It is so irritating that contact cannot be tolerated. Symptoms include coughing, hoarseness, sneezing, tearing, and breathing difficulty. However, workers who cannot escape high accidental exposure may suffer severe pulmonary damage which can be fatal. Contact with powdered potassium, sodium metal, alkali, and oxidizing agents produce violent reactions. Reacts with water and steam to form corrosive sulfurous acid. Reacts with chlorates to form unstable chlorine dioxide.
Conditions to avoid	: Avoid excessive heat, or open flame.
Hazardous decomposition products	: May release hazardous sulfur dioxide gas.

Section 11: TOXICOLOGICAL INFORMATION

Acute animal toxicity data

Eye effects (rabbit)	: Not available.
Skin effects (rabbit)	: Not available.
Acute inhalation effects (rat)	: LC50 > 5.5 mg/L/4h
Acute oral effects (rat)	: LD50 = 2610 mg/kg
Carcinogenicity	: IARC, NTP, and OSHA do not list Sodium Sulfite as a carcinogen.
Chronic effects	: Prolonged or repeated exposure may cause dermatitis, and sensitization reactions. Exposure to asthmatic, atopic and sulfite sensitive individuals may result in severe bronchoconstriction and reduced levels in forced expiratory volume. Acidic decomposition of sodium sulfite may release toxic and

Section 12: ECOLOGICAL INFORMATION

Eco toxicity	: Sodium Sulfite is nonhazardous in solution and is commonly used as a waste water dechlorinating agent. High concentrations will contribute to elevated chemical oxygen demand in aquatic environments.
Environmental transport	: Soluble in water.
Environmental degradation	: Rapid biological decomposition.
Soil absorption/mobility	: Slight
96 hour LC50 (fish)	: 460 mg/L

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Section 13: DISPOSAL CONSIDERATIONS

Disposal	: Waste determinations typically consider Sodium Sulfite contaminated materials to be non-hazardous.
Disposal Regulatory Requirements	: Follow applicable federal, state and local regulations.
Container cleaning and disposal	: Follow applicable federal, state and local regulations.

Section 14: TRASPORT INFORMATION

The data provided in the section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

DOTT Transportation data (49 CFR 172.101):

Proper shipping name	: Non-regulated material
Shipping symbols	: NA
Hazard class	: NA
Subsidiary hazard	: NA
ID No.	: NA
Packing group	: NA
Transport label	: GHS label requirements
Special provisions	: None indicated

Section 15: REGULATORY INFORMATION

EPA Regulations:

RCRA hazardous waste classification (40 CFR 261)	: Not listed
RCRA hazardous waste number (40 CFR 261)	: Not listed
CERCLA hazardous substance (40 CFR 302.4)	: Not listed
CERCLA reportable quantity (RQ)	: NA
SARA title III	: Not listed
FIFRA	: Not regulated
TSCA	: All components listed

OSHA Regulations:

Air contaminant (29 CFR 1910.1000)	: Not listed
OSHA specifically regulated substance	: Not listed

Other Regulations:

FDA (GRAS)	: Regulated when used as a food preservation.
WHMIS classification (Canada)	: D2B

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Section 16: OTHER INFORMATION

Indication of changes	: Revision 2.0
Revision date	: September 15, 2016
Other information	: ERM

NOTE TO EMPLOYER

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please ensure this information is provided to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in you SDS. Discard any previous edition of this SDS.

DISCLAIMER

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, Chemical Equipment Labs, LLC makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for the reliance thereon. Chemical Equipment Labs, LLC assumes no responsibility for any injury or loss resulting from the use of the product described herein. User should satisfy himself that he has all current data relevant to his particular use.

End of Safety Data Sheet

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