



HOME OFFICE: 4301 DOMINION BLVD.
GLEN ALLEN, VA. 23060 • (804) 965-0505

PRODUCT SAFETY DATA SHEET

SECTION I

TRADE NAME CHEMTREAT BL-122	EMERGENCY TELEPHONE NO. (804) 257-7792
CHEMICAL NAME AND SYNONYMS Sodium Bisulfite Solution	

SECTION II HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPONENT(S)	CAS NO.	%	ORAL LD ₅₀	DERMAL LD ₅₀	TLV (Units)
Sodium bisulfite	7631-90-5	<40	NIF	NIF	5 mg/m ³

SECTION III PHYSICAL DATA

BOILING POINT (°F)	NE	SPECIFIC GRAVITY (H ₂ O = 1) at 20°C	≈1.285
VAPOR PRESSURE (mm Hg.) at 20°C	NE	PERCENT VOLATILE BY WEIGHT(%)	≈70
VAPOR DENSITY (AIR=1)	NE	EVAPORATION RATE ()	NE
SOLUBILITY IN WATER	100%	pH at 20°C	4.0 -5.5
APPEARANCE AND ODOR	Clear, light pink to yellow liquid. Faint odor of sulfur dioxide.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	Not Flammable	FLAMMABLE LIMITS % by Vol.	Lel None	Uel None
EXTINGUISHING MEDIA	Water, CO ₂ , Dry Chemical, Foam			
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear full protective clothing including a NIOSH approved self-contained breathing apparatus.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Anhydrous sodium bisulfite decomposes at 302°F to liberate sulfur dioxide.			

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE OSHA TLV NE ACGIH TLV 5mg/m³

EFFECTS OF OVEREXPOSURE

Corrosive to eyes. Severe skin irritant, possibly corrosive. May cause violent colic and diarrhea, circulatory disturbances, central nervous system depression and death.

HEALTH EFFECTS

Persons with pre-existing skin conditions may be more susceptible to the effects of this product. Will irritate gastrointestinal and respiratory tract. Sodium bisulfite, a component of this product, can cause respiratory allergic reactions. This product does not contain any components listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

PRIMARY ROUTE OF ENTRY

Ingestion
Inhalation
Eyes
Skin

EMERGENCY FIRST AID PROCEDURE

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of entire eye surface. Seek medical attention. SKIN: In case of contact immediately wash with plenty of water while removing contaminated clothing. Seek medical advice. Wash and decontaminate clothing before reuse. INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician. INGESTION: If swallowed, do not induce vomiting. Give large quantities of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

STABILITY	STABLE	√	CONDITIONS TO AVOID	None Known
	UNSTABLE			
INCOMPATIBILITY (Materials to Avoid)	Strong oxidizers and acids.			
HAZARDOUS DECOMPOSITION PRODUCTS	Liberates sulfur dioxide gas above 80°F.			
HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID	None Known
MAY OCCUR		NO	√	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wearing appropriate protection equipment (see Section VIII), contain spill. Using an inert chemical absorbent, collect spilled material and place in a properly labeled container for disposal.

WASTE DISPOSAL METHOD

This material may be considered hazardous under RCRA 261.22 (Corrosivity Criteria). Dispose of in accordance with local, state, and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION When TLV is exceeded, wear NIOSH approved self-contained respirator. For Example: MSA (Specify Type) Comfo II Respirator, GMC Cartridge (Yellow) TC#-23C-47, and Type F Filter TC#-21C-133.

EYE PROTECTION Chemical splash goggles

SKIN PROTECTION Rubber or neoprene gloves and boots.

VENTILATION Local exhaust

OTHER PROTECTION Eye wash fountain and safety shower.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Use with adequate ventilation. Wash thoroughly after handling. Keep away from heat and oxidizers. Avoid contact with eyes, skin, and clothing. Do not ingest.

OTHER PRECAUTIONS

Keep container securely closed when not in use. Do not mix with alkaline chemicals. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations.

SECTION X MISCELLANEOUS DATA

NIF - No Information Found

NA - Not Available

NE - Not Established

D.O.T. Class: Corrosive Material UN/NA Number: NA 2693
CERCLA RQ: 5,000 lbs. (Sodium bisulfite)

¹ "Clinical Toxicology of Commercial Products," Gosselin, Smith, Hodge, 5th edition 1984.

If this product contains a toxic chemical, subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, it is listed in Section II of this Material Safety Data Sheet followed by two asterisks (**).

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John A. Nygren/Technical Director

BL-122

PREPARED BY



DATE

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PRODUCT SAFETY DATA SHEET

SECTION I

TRADE NAME CHEMICAL TREATMENT C-2185	EMERGENCY TELEPHONE NO. (804) 257-7792
CHEMICAL NAME AND SYNONYMS Trichloro-s-triazinetriene	

SECTION II HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPONENT(S)	CAS NO.	%	ORAL LD ₅₀	DERMAL LD ₅₀	TLV (Units)
Trichloroisocyanuric acid	87-90-1	96-100	490 mg/kg (Rats)	>2 g/kg (Rabbits)	NE
Dichloroisocyanuric acid	2782-57-2	0-4	NIF	NIF	NE

SECTION III PHYSICAL DATA

BOILING POINT (°F)	NAP	SPECIFIC GRAVITY (H ₂ O = 1) at 20°C	NAP
VAPOR PRESSURE (mm Hg.) at 20°C	NAP	PERCENT VOLATILE BY WEIGHT(%)	NAP
VAPOR DENSITY (AIR=1)	NAP	EVAPORATION RATE ()	NAP
SOLUBILITY IN WATER at 25°C	1.2 %	pH 1% solution @ 25°C	2.7 - 2.9
APPEARANCE AND ODOR	White crystalline solid in 7 oz. tablet; chlorine odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	None	FLAMMABLE LIMITS % by Vol.	LeI None	Uel None
EXTINGUISHING MEDIA	(See Page 4)			
SPECIAL FIRE FIGHTING PROCEDURES	(See Page 4)			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Small quantities of water will react with this material to form hazardous quantities of nitrogen trichloride which is violently explosive.			