



HASA NEUTRALIZER

Material Safety Data Sheet

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HASA NEUTRALIZER
Material Safety Data Sheet MSDS No. 213

IDENTIFICATION OF PRODUCT

Product Name:	Hasa Neutralizer
Common Chemical Names:	Antichlor
Chemical Names of Ingredients:	Sodium thiosulfate
Chemical Family:	Inorganic compound
CAS Registry Number:	7772-98-7
Empirical Formula:	Na O S
Molecular Weight:	158.13

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	N/A	Flash Point:	N/A
Weight/Gallon:	N/A	pH:	6.5 to 8.0
Density [liquid]:	N/A	Odor:	None
Density:	1.69 Sp Gr	Boiling Point:	212 F
Melting Point:	118 F	Freezing Point:	N/A
Physical State:	Transparent crystals	Color:	Clear, transparent
Solubility in Water:	0.5 g/ml	Stability:	Stable

PHYSICAL HAZARDS

Potential for Fire:	None
Potential for Explosion:	None
Reactivity:	None
Extinguishing Media:	Water

HEALTH HAZARDS	
Signs and Symptoms of Exposure:	Mild irritant and relatively nontoxic in vivo.
Medical Conditions Aggravated by Exposure:	Allergic contact dermatitis
Oral [ingestion] LD₅₀:	0.5 to 5 g/kg
Dermal [skin absorption] LD₅₀:	Mild irritant
Inhalation [breathing] LC₅₀:	Not a target organ
Eye Irritation:	Avoid eye contact
Skin Irritation:	Avoid skin contact
OSHA PEL	None established
NIOSH REL	None established

POTENTIAL ROUTE [S] OF ENTRY	
Inhalation [Breathing]:	Use OSHA respirator regulations 29 CFR 1910.133
Dermal [Skin]:	Wear gloves, boots to prevent repeated or prolonged skin contact.
Eyes:	Wear protective eyeglasses or safety goggles.
Ingestion:	Never eat, drink or smoke in work areas.

CARCINOGENIC [CANCER POTENTIAL] INFORMATION	
National Toxicological Program [NTP] <i>Sixth Annual Report on Carcinogens</i>:	No listing
International Agency for Research on Cancer [IARC] <i>Monographs, V. 1-53, Supps. 1-8</i>:	No listing
Listed by Federal OSHA as Carcinogens:	No listing
Safe Drinking Water and Toxic Enforcement Act of 1986 [Proposition 65, California only]:	No listing

GENERAL PRECAUTIONS FOR SAFE USE AND HANDLING
Avoid dust inhalation, use a OSHA approved respirator.

PERSONAL PROTECTION AND HYGIENE
Wash hands before eating or drinking.

CLEAN-UP OF SPILLS
Scoop spilled material into appropriate disposal container.

FIRST AID	
Eye Contact:	Flush immediately with running water for 15 minutes.
Skin Contact:	Remove contaminated clothing, wash affected skin with soap and water.
Ingestion [swallowing]:	Give 1 to 2 glasses of water, then induce repeated vomiting.

FEDERAL/STATE LISTS/REGISTRATION/S/REPORTING REQUIREMENTS	
CERCLA Hazardous Substance [Section 1010 [4], P.L. 96-510]:	Not listed
Extremely Hazardous Substance [40 CFR 355, Appendix A]:	Not listed
Pesticide Product 7 U.S.C. 136 et seq.:	Not listed
Toxic Substance under TSCA:	Not listed
Pesticide Product [various State Laws]:	Not listed

MATERIAL CLASSIFICATION	
OSHA Hazard Communication Standard, Department of Labor, Occupational Safety and Health Division, 29 CFR 1910.1200:	None

Hazardous Materials Transportation Regulations, Department of Transportation (Federal) 49 CFR 172.101	
Proper Shipping Description [1 gallon or less]:	None
Proper Shipping Description [greater than 1 gallon]:	None

National Fire Protection Association NFPA 704 [1990]:	None
BOCA National Fire Prevention Code/National Building Code [1999 editions]:	None
Standard Fire Prevention Code/Standard Building Code [1997 editions]:	None
Uniform Fire Code/Uniform Building Code [1997 editions]:	None
Uniform Fire Code Standards 79-3, Uniform Fire Code, V. II [1997 edition]:	None

RETURNABLE CONTAINERS
N/A

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