


SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM CHLORIDE Anti A, B,
Chemical Synonyms	Sodium Chloride, Aqueous Solution
Mixture	Mixture. See Section II.
Size	up to 4 LL
U.S. No.	Mixture. See Section II.

 CHEMTEC
 800-424-9300
 Day 718-228-6177

NFPA
HAZARD RATING
 LEAST SLIGHT MODERATE HIGH EXTREME
 0 1 2 3 4

Health	0
Fire	0
Reactivity	0

HMIS*

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Chloride: (CAS No. 7647-14-5)	5.8%	None established.
Water: (CAS No. 7732-18-5)	94.2%	None established.

LOW HAZARD IN NORMAL LABORATORY
HANDLING. NON-TOXIC.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	94.2%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white liquid, water solution; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIRE FIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

This solution due to its chemical composition and/or its concentration does not present any firefighting hazard. There are no unusual fire and explosion hazard associated with this solution.

Threshold Limited Value None established. LD₅₀ rats-3750 mg/kg. No published data indicating salt is a hazardous material to handle.

Effects of Overexposure **EYES AND SKIN:** Considered as mild irritant. Gross overexposure, over a long period of time, results in dehydration. **INGESTION:** Of large amounts (more than 0.1 pound) may cause vomiting. **INHALATION:** Dust leaves taste with mild irritation to mucous membrane in nose and throat.

Emergency and First Aid Procedures
 Flush affected areas with water, provide drinking water.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature to cause evaporation.
	Stable	X	

Incompatibility (Materials to Avoid) Electrolysis can produce chlorine gas. None - provided the salt is dry. Concentrated acid such as sulfuric and nitric.

Hazardous Decomposition Products Electrolysis can produce chlorine gas.

Hazardous Polymerization	Conditions to Avoid	Not applicable.
	May Occur	
		X

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
 Flush the aqueous solution down drain with plenty of water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Flush the aqueous solution down drain with plenty of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.		
Ventilation	Local Exhaust	Not required.	Special
	Mechanical (General)	Not required.	Other
			No.

Protective Gloves None required. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
 Store in a cool place. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 1 | Date 3/21/97 | Approved Michael Raszeja | Chemical Safety Coordinator MR

The information provided herein is furnished without warranty of any kind. Errors are identified only as a supplement to other information.



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MSDS No. SS 250
 Effective Date February 20, 1997

SECTION I	NAME	24 HOUR EMERGENCY ASSISTANCE
Product	SODIUM AZIDE	CHEMTREC 800-424-9300 Day 716-228-6177
Chemical Synonyms	Sodium Trinitride	
Formula	NaN ₃	NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4
Unit Size	up to 2.5 Kg.	
C.A.S. No.	26628-22-8	

SECTION II	INGREDIENTS OF MIXTURES	
Principal Component(s)	%	TLV Units
Sodium Azide	100%	See Section V.
DANGER! POISON!		
MAY BE FATAL IF SWALLOWED OR INHALED.		
KEEP FROM HEAT OR SHOCK.		

SECTION III	PHYSICAL DATA		
Melting Point (°F)	300°C (572°F) decomposes.	Specific Gravity (H ₂ O = 1)	1.846 @ 20°C
Boiling Point (°F)	Decomposes in vacuum.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate	N/A
Vapor Density (Air=1)	2.2		
Solubility in Water	42% (Slowly hydrolyzes liberating highly toxic hydrazoic acid.)		
Appearance & Odor	White, colorless crystals or powder; no odor.		

SECTION IV	FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Closed Cup)	NA (Combustible)	Flammable Limits in Air % by Volume	Lower	Upper
Extinguisher Media	Carbon dioxide (CO ₂); dry chemical (ABC); halon, water spray or standard foam.			

SPECIAL FIREFIGHTING PROCEDURES

Move exposed containers from fire area if without risk. Keep up-wind. No unnecessary personnel. Identify and isolate hazard area. Wear self-contained breathing apparatus and full protective clothing. Contact with acid produces poisonous gas.

(1993 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.6, GUIDE PAGE NO. 56)

UNUSUAL FIRE AND EXPLOSION HAZARDS

May catch fire and burn violently. Sensitivity to explosion increases greatly with certain metallic contaminations. Products of combustion may lead to explosion. May undergo explosive decomposition at elevated temperatures, particularly on rapid heating.

Threshold Limited Value

Effects of Overexposure

Emergency and First Aid Procedures

SECTION VI

REACTIVITY DATA

Stability

Unstable X
Stable

Incompatibility (Materials to Avoid)

Strong oxidizers, acids (liberates highly toxic hydrazoic acid), heavy metals (lead, copper, silver, mercury, etc.), water, carbon disulfide, bromine, nitric acid, benzoyl chloride + potassium hydroxide) to form explosive compounds.

Hazardous Decomposition Products

Thermal decomposition or burning may produce nitrogen and sodium.

Hazardous Polymerization

Conditions to Avoid

May Occur Will Not Occur

X

SECTION VII

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Wearing suitable protective clothing, thoroughly sweep up material and place in fiber carton for disposal. Do not flush to sewer. Do not use sink for disposal.

SECTION VIII

SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)

None needed in normal laboratory handling. If dusty conditions prevail, work in ventilated hood or wear a NIOSH-approved dust mask or respirator.

Ventilation

Local Exhaust Acceptable. Special No.
Mechanical (General) Preferred. Other No.

Protective Gloves

Rubber. Eye Protection Chemical safety glasses.

Other Protective Equipment

Goggles, smock, apron, proper gloves, eye wash station, fire extinguisher.

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry place away from acids or metal containers; store away from fire and fire hazards. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions

Fixed label on container before using. Do not wear contact lenses when working with chemicals.

Do not inhale hydrazoic acid vapors. Avoid prolonged or repeated contact with skin. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

SECTION X

REVISION INFORMATION

Revision No. 4 Date 2/20/97 Approved Michael Flastera
 Prepared by Michael Flastera

SECTION XI

DISCLAIMER

The information contained herein is furnished without warranty of any kind. Employees should use this information only as a guide and must make independent determinations of suitability and completeness of information from all sources before proper use of this product.