

MATERIAL SAFETY DATA SHEET

EM SCIENCE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer.....: Preparation Date.: 2/4/96

A Division of EM Industries Information Phone Number.: 856-423-6300

P.O. Box 70 Hours: Mon. to Fri. 8:30-5

480 Democrat Road Chemtrec Emergency Number: 800-424-9300

Gibbstown, N.J. 08027 Hours: 24 hrs a day

SX0624 SX0625 6519 SX0626 SX0621 0065205B

Product Name:

Sodium Iodide

Sodium Iodine

Inorganic Salt

NaI

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Appr %
	7681-82-5	100%

EMERGENCY OVERVIEW

IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES.

MAY BE HARMFUL IF SWALLOWED.

HYGROSCOPIC.

Appearance:

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Symptoms of Exposure:

Irritating on contact with skin, eyes or mucous membranes.

Medical Cond. Aggravated by Exposure:

Data not available.

Routes of Entry:

Carcinogenicity:

The material is not listed (IARC, NTP, OSHA) as cancer causing

4. FIRST AID MEASURES

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Immediately flush thoroughly with large amounts of water.

Eyes: Immediately flush thoroughly with water for at least 15

Inhalation: Remove to fresh air; give artificial respiration if

Ingestion: If conscious, drink water and induce vomiting

immediately as directed by medical personnel. Never give anything

5. FIRE FIGHTING MEASURES

Flash Point (F) : Noncombustible

Flammable Limits LEL (%): N/A

Flammable Limits UEL (%): N/A

Extinguishing Media . . :

Use any suitable for adjacent material.

Fire Fighting Procedures:

Wear self-contained breathing apparatus.

Fire & Explosion Hazards:

Thermal decomposition produces toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill Response:

Evacuate the area of all unnecessary personnel.

Wear suitable protective equipment listed under Exposure /

Eliminate any ignition sources until the area is determined to be

Contain the release and eliminate its source, if this can be done

Take up and containerize for proper disposal as described under

Comply with Federal, State, and local regulations on reporting

releases. Refer to Regulatory Information for reportable

7. HANDLING AND STORAGE

Handling & Storage:

Store at controlled room temperature away from oxidizers.

Do not get in eyes, on skin, or on clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Material should be handled or transferred in an approved fume

OSHA - PEL:

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point (C). : 651C

Specific Gravity (H2O = 1) : 3.67

Vapor Pressure (mm Hg). . . : N/A

Percent Volatile by vol (%): None

Vapor Density (Air = 1). . : N/A

Evaporation Rate (BuAc = 1): N/A

Solubility in Water (%). . : 66%

Appearance :

White granules or crystals

10. STABILITY AND REACTIVITY

Stability: Yes

Does not occur

Hazardous Decomposition:

Conditions to Avoid:

Extreme heat

() Water

() Bases

() Corrosives

(X) Other: BrF3

11. TOXICOLOGICAL INFORMATION

orl-rat LD50: 4340 mg/kg

Toxicological Findings:

Tests on laboratory animals indicate material may produce adverse

Cited in Registry of Toxic Effects of Chemical Substances (RTECS)

EPA Waste Numbers:

Treatment:

Material does not have an EPA Waste number and is not a listed waste, however consultation with a permitted waste disposal site

ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE

COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

DOT Proper Shipping Name:

non-regulated

none

TSCA Statement:

The CAS number of this product is listed on the TSCA Inventory.

Component	SARA EHS	SARA EHS TPQ	CERCLA RQ
	(302)	(lbs)	(lbs)

	OSHA	SARA	DeMinimis
Component	Floor List	313	for SARA 313
			(%)

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

Comments:

NFPA Hazard Ratings:

Health : 1

Reactivity : 0

Revision History: 1/7/86 10/27/87 11/4/88 3/1/91 12/10/92

- N/A = Not Available
- N/E = None Established

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