

MATERIAL SAFETY DATA SHEET

EM SCIENCE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer.....: Preparation Date.: 11/30/99

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

AX0715 AX0721 AX0720 AX0716

Product Name:

Synonyms:

Alum, Potassium Alum

Inorganic Salt

AlK(SO4)2.12H2O

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Appr %
	7784-24-9	100%

EMERGENCY OVERVIEW

Handling care generally in keeping with safe laboratory practices is

Appearance:

Colorless or white odorless crystals

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Dust may be irritating to respiratory passages.

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: Wash thoroughly with soap and water.

Eyes: Immediately flush thoroughly with water for at least 15

Inhalation: Remove to fresh air; give artificial respiration if

Ingestion: Get immediate medical attention; if conscious, give

5. FIRE FIGHTING MEASURES

Flash Point (F) : Noncombustible

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:

Avoid dusting.

Store in a cool, dry, well-ventilated area.

Do not breathe dust.

Do not get in eyes.

Avoid prolonged, or repeated, skin contact.

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

Protective gloves (Neoprene, PVC or equivalent) should be worn to

Safety glasses with side shields should be worn at all times.

Wash thoroughly after handling.

Do not take internally.

Eye wash and safety equipment should be readily available.

OSHA - PEL:

TWA

STEL

CL

Component PPM MG/M3 PPM MG/M3 PPM MG/M3 Skin

2 Al

TWA STEL CL

Component PPM MG/M3 PPM MG/M3 PPM MG/M3 Skin

2 Al

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

Boiling Point (C 760 mmHg) : Decomposes

Specific Gravity (H2O = 1) : 1.725

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

Percent Volatile by vol (%) : N/A

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

Evaporation Rate (BuAc = 1) : N/A

Solubility in Water (%). . : 12.2%

Appearance :

Colorless or white odorless crystals

10. STABILITY AND REACTIVITY

Stability: Yes

Does not occur

Hazardous Decomposition:

Conditions to Avoid:

Dusting (dispersion of fine particles into the air).

Materials To Avoid:

() Water

() Bases

() Oxidizers

(X) Other: None indicated

Toxicity Data

None established

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:

This product is a "Mixture". The CAS numbers of all components are 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 : 2

Reactivity : 0

Revision History: 8/1/81 2/1/84 1/24/87 10/27/87 1/11/88 3/1/91

N/A = Not Available

N/E = None Established

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