

MATERIAL SAFETY DATA SHEET

REVISION: 7/5/2005

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FLORIDA CIRTECH,

1309 North 17th Ave., Greeley, CO 80631

Tel: 970-346-8002, Fax: 970-346-8331

FOR CHEMICAL EMERGENCIES CALL: 800-535-5053

SECTION I:

PRODUCT NAME:

Proper Shipping Name:

Container Description:

Other Info: KEEP AWAY FROM ACIDS!

GENERAL INFORMATION

WT660 PRECIPITANT

SODIUM HYDROSULFIDE MIXTURE, 8, UN2949, PG II

DRUM

Product Shelf Life: 1000 Days

SECTION II:

HAZARDOUS INGREDIENTS

COMPONENT NAME

CAS #

Weight %

OSHA PEL

AGGIH TLV

Sodium Aluminate

11138-49-1

<10%

NE

NE

Sodium Hydrosulfide

16721-80-5

5-25%

SECTION III:

PHYSICAL DATA

Boiling Point: >200 F

Solubility in H2O: Complete

Vapor Pressure: NE

Appearance: Dark green liquid

Vapor Density: NE

pH 5% sol'n: >12

Specific Gravity: 1.12

V.O.C. %: 0

(H2O=1@77 F)

Evaporation Rate: NE

Odor: Strong Sulfur odor

SECTION IV:

FIRE AND EXPLOSION DATA

ESTIMATED FLAMMABLE LIMITS (%By volume in air)

LEL: NE

UEL: NE

FLASH POINT(OF): >200 F

EXTINGUISHING MEDIA: Carbon Dioxide or dry chemical.

SECTION V:

HEALTH HAZARD DATA

INHALATION: Vapors can cause irritation to the nose, throat, mucous membrane and lungs. May cause headaches, dizziness as well as other central nervous system effects.

INGESTION: Produces severe burns to mouth, stomach and gastrointestinal tract. Swallowing can cause irritation, nausea, vomiting.

SKIN: May cause burns on exposure.

EYES: May cause severe irritation with corneal injury which may result in permanent impairment of vision or even blindness.

SECTION VI:

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Get medical attention.

INGESTION: Do not induce vomiting. Give large quantities of water. Give at least one ounce of milk of magnesia or aluminum hydroxide gel in an equal amount of water. Do not give anything to an unconscious person. Contact physician immediately.

SKIN CONTACT: Immediately place the victim under water and flush the area with plenty of water for a minimum of 15 minutes. Remove contaminated clothing while under shower. Contact physician immediately.

EYE CONTACT: Flush for at least 15 minutes with large amounts of water, lifting upper and lower lids occasionally. Get medical attention immediately.

SECTION VII:

REACTIVITY DATA

STABILITY Stable

HAZARDOUS POLYMERIZATION CAN

CONDITIONS AND MATERIALS TO

strong acids, oxidizers, and high temperatures

HAZARDOUS DECOMPOSITION

Hydrogen Sulfide, Carbon disulfide

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SECTION VIII: SPILL OR LEAK PROCEDURES ERG#: 154

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area. Dike area of spill to prevent spreading. Prevent entry into waterways or confined areas. Take up remaining liquid with absorbent material. Shovel into containers. Must be in accordance with federal, state and local laws and regulations.

SECTION IX: SPECIAL PROTECTION

RESPIRATORY: If threshold limit value is exceeded, use MSHA/NIOSH approved respirator for organic vapors.

EYEWEAR: Chemical splash goggles and face shield compliance with OSHA regulations are advised. Provide eye bath near work site.

CLOTHING/GLOVES: Wear resistant gloves such as rubber, neoprene or plastic.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure levels below TLV's.

OTHER EQUIPMENT: Rubber apron, rubber boots.

WORK PRACTICES: Keep the container closed at all times when not in use.

SECTION X: SPECIAL PRECAUTIONS

WARNING!! DO NOT MIX THIS PRODUCT WITH ACIDS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP AWAY FROM ACIDS! Keep container closed when not in use. Store away from ignition sources in cool dry area. Use adequate ventilation. Read all container labeling. Use drum spigots that are not metal.

ADDITIONAL PRECAUTIONS: Since empty containers may retain product residues (vapor, liquid or solid) all labeled hazard precautions must be observed.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY."

SECTION XI: FEDERAL AND STATE REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION

All components of this material are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory

Title III SARA Section

Product contains materials subject to reporting under SARA Section **NO**

CERCLA

Product contains materials subject to reporting under CERCLA (40 **YES RQ=5000**)

Title III SARA Section

Product contains materials subject to reporting under SARA Section **NO**

Resource Conservation and Recovery Act

Product is a hazardous waste under RCRA (40 CFR **NO**)

STATE REGULATORY INFORMATION

California Proposition

Product contains materials that are carcinogenic and/or can cause reproductive harm and is subject to warning and discharge requirements under the "Safe Water and Toxic Enforcement Act of 1986":

NO

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SECTION XII:

ADDITIONAL INFORMATION

NCPA-HMIS RATINGS

HEALTH (ACUTE) 2

FLAMMABILITY 1

REACTIVITY 2

PERSONAL PROTECTION -

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