

June 30, 1989

C. V. Purks
Avon Lake Tech Center

You recently sent a group of supplier MSDS's including one for Mark 2255 (attached) identified as S-85. You have previously identified Mark 2225 as S-85. These two products appear to be chemically different and to have differing physical and toxicologic properties. Are they both correctly identified as S-85?


H. W. Dietz

90630-6/jp

Attachment

22111001

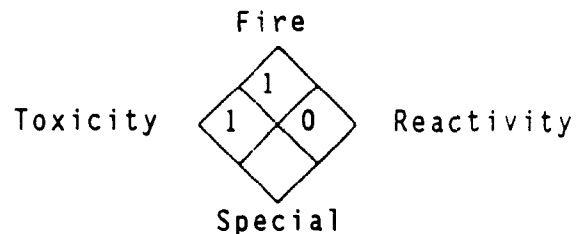
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WITCO MATERIAL SAFETY DATA SHEET

MARK 2255

PAGE 1

HAZARD RATING
 N 4 - Extreme
 F 3 - High
 P 2 - Moderate
 A 1 - Slight
 0 - Insignificant



HMIS HAZARD INDEX
 Hazardous 4 - Severe
 Materials 3 - Serious
 Identification 2 - Moderate
 System 1 - Slight
 0 - Minimal

HMIS RATINGS
 Health.....
 Flammability.....
 Reactivity.....
 Personal protection.....

DIVISION AND LOCATION---SECTION I

Division: ARGUSLocation: BROOKLYN, NY

633 COURT ST., BROOKLYN, NY, 11231-2193

Emergency Telephone Number: 718-858-5678Transportation Emergency: CHEM TREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name:

butyltin mercaptocarboxylate

Formula: trade secretHazardous Decomposition Products:

oxides of tin

oxides of sulfur

carbon monoxide and carbon dioxide from burning.

Incompatibility (Keep away from):

strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients:

tin compounds (as per State Right to Know lists)

butyltin mercaptocarboxylate

Form: powderOdor: fattyAppearance:Color: whiteSpecific Gravity (water=1): 1.26Boiling Point: not distillableMelting Point: 128 to 130°C (252 to 256°F)Solubility in Water (by weight %): negligibleVolatile (by weight %): 0Evaporation Rate: not applicableVapor Pressure (mm Hg at 20°C):Vapor Density (air=1): not applicablepH (as is): not applicableStability: Product is stable under normal conditionsViscosity SUS at 100°F: not applicable

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FIRE AND EXPLOSION DATA---SECTION III

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Special Fire Fighting Procedures:

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards:

none. See Section VII.

Flashpoint: not applicable

Flammable limits %: not applicable

Extinguishing agents:

Drychemical or Waterspray or CO₂ or Foam

Closed containers exposed to fire may be cooled with water.

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HEALTH HAZARD DATA---SECTION IV

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Permissible concentrations (air):

tin(organic compounds): 0.1 mg/m³ as tin (skin) (OSHA/ACGIH)

nuisance dust (total): 15mg/m³ (OSHA)

Chronic effects of overexposure:

no data available

Acute toxicological properties:

for similar products: acute oral LD₅₀ = 1470 mg/kg (rat)

for similar products: dermal LD₅₀ = 2780 mg/kg (rabbit)

Emergency First Aid Procedures:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Wash with soap and water. If irritation occurs, see a physician.

Inhalation: Remove victim to fresh air.

If Swallowed: Call a physician immediately. Induce vomiting if victim is conscious. Never give anything by mouth to an unconscious person.

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SPECIAL PROTECTION INFORMATION---SECTION V

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Ventilation Type Required (Local, mechanical, special):

Local if necessary to control fumes from hot material and to maintain allowable permissible exposure limit (PEL).

Respiratory Protection (Specify type):

Use NIOSH/OSHA approved dust mask and/or respirator where appropriate.

Protective Gloves:

neoprene type

Eye Protection:

chemical safety goggles

Other Protective Equipment:

neoprene protective type apron.

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HANDLING OF SPILLS OR LEAKS---SECTION VI

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Procedures for Clean-Up:

In case of spillage, sweep up and dispose of in accordance with federal, state and local regulations.

Waste Disposal:

Use controlled incineration with scrubbers for metallic oxides and sulfur dioxide.

Dispose of in accordance with all applicable federal, state and local regulations.

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SPECIAL PRECAUTIONS---SECTION VII

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Precautions to be taken in handling and storage:

Where dusty and/or misting conditions exist an explosive atmosphere could develop as with any organic material.

Keep container closed until ready for use.

Do not store near strong oxidizing agents.

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TRANSPORTATION DATA---SECTION VIII

D.O.T.: Not Regulated

Reportable Quantity: not applicable

Freight Classification:

Special Transportation Notes:

none

Signature: Otto Kauder

Title: Vice President, Technical

Original Date:

Sent to:

Revision Date: 12/02/85

Supersedes: 07/18/85

Date Sent:

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