



Chem Service Inc.

Material Safety Data Sheet

Date: Tuesday, January 08, 2008

Last Revised Date: 12/21/07

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: PS-81

Description: Endosulfan

Other Name(s): Hexachloro-norbornene dimethyl cyclic sulfite

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026

EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS No.: 115-29-7

Description: Endosulfan

EINECS No.: Not Available

Hazard Symbols: Not Available

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory. All chemicals should be considered hazardous - Avoid direct physical contact!

May be fatal if absorbed through the skin! May be fatal if inhaled! May be fatal if swallowed! Exposure can cause liver damage. Exposure can cause kidney damage. Can cause nervous system injury. Based on the toxicity of compounds of similar structure this material is probably highly hazardous.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be

obtained from a POISON CONTROL CENTER.

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes. If no burns have occurred-use soap and water to cleanse skin. If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing. If patient has stopped breathing administer artificial respirations. If patient is in cardiac arrest administer CPR. Continue life supporting measures until medical assistance has arrived. Remove and wash contaminated clothing. If patient is exhibiting signs of shock - Keep warm and quiet. Contact Poison Control Center immediately if necessary. Induce vomiting if swallowed. Do not administer liquids or induce vomiting to an unconscious or convulsing person. If patient is vomiting-watch closely to make sure airway does not become obstructed by vomit. Get medical attention if necessary. ANTIDOTE: A short acting barbiturate for central nervous system symptoms; Diazepam for convulsions; If ingested induce emesis administer Magnesium Sulfate and observe.

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: Not Available
Extinguishing Media: Carbon dioxide, dry chemical powder or spray.
Upper Explosion Limit: Not Available
Lower Explosion Limit: Not Available
Autoignition Temperature: Not Available
NFPA Hazard Rating: Not Available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment.
Ventilate area.

Sweep up and place in an appropriate container. Hold for disposal.

Wash contaminated surfaces to remove any residues. Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn.
Use appropriate OSHA/MSHA approved safety equipment.
Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation
Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals.
Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (TWA): 0.1 mg/m³
ACGIH TLV (TWA): 0.1mg/m³ skin
ACGIH TLV (STEL): Not Available

Personal Protective Equipment

Eyes: Wear Safety Glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA s 29 CFR 1910.134 requirements

must be followed whenever workplace conditions warrant a respirator s use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color: White
Phase: Crystalline solid
Melting Point: 106 C
Boiling Point: Not Available
Specific Gravity: 1.745
Vapor Density: 1.0E-5mm @20
Vapor Pressure: Not Available
Solubility in Water: Insoluble (immiscible)
Odor: Pungent, acrid
Evaporation Rate (Butyl acetate=1): Not Available

Molecular Weight: 406.91
Molecular Formula: C9-H6-Cl6-O3-S

SECTION 10 - STABILITY AND REACTIVITY

Reacts with water and most reactive hydrogen compounds. Incompatible with strong bases. Incompatible with Copper and Mercury or alkaline pesticides. Decomposes under alkaline conditions.

SECTION 11 - TOXICOLOGY INFORMATION

RTECS: RB9275000
Oral Rat or Mouse LD50: 23mg/kg
Dermal Rat or Mouse LD50: Not Available
Rat or Mouse LC50 : Not Available

Carcinogenicity

OSHA: No
IARC: No
NTP: No
ACGIH: No
NIOSH: No
Other: No

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Burn in a chemicals incinerator equipped with an afterburner and scrubber.

SECTION 14 - TRANSPORTATION INFORMATION

UN Number: UN2811
Class: 6.1
Packing Group: I
Proper Shipping Name: Toxic solid, organic, nos *

SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives
Hazard Symbols: Not Available

Risk Phrases: Not Available

Safety Phrase: Not Available

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of

available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container.

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