

Last Revision Date: 7/17/2012**SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

Catalog Number: BZ-165
Description: 2,3,3',5,5',6-Hexachlorobiphenyl
Other Names: BZ# 165

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: 74472-46-1
Description: 2,3,3',5,5',6-Hexachlorobiphenyl
EINECS No: N/A
Hazard Symbols: N/A

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory.
All chemicals should be considered hazardous – Avoid direct physical contact!
Suspected Carcinogen-may produce cancer.
Can cause eye irritation.
Can cause skin irritation.
May be harmful if absorbed through the skin.
May be fatal if absorbed through the skin!
Can cause an allergic skin reaction.
Repeated exposure to vapors and/or dust can cause eye injury.
Can cause sensitization by skin contact.
May be rapidly absorbed through the skin with potential adverse health effects.
Can cause chloracne.
May be harmful if swallowed.
May be fatal if swallowed!
Can cause blood disorders.
Exposure can cause liver damage.
Exposure can cause kidney damage.
Based on the toxicity of compounds of similar structure this material is probably highly hazardous.
Ingestion may cause severe corrosion of the gastro-intestinal tract.
Can cause bladder injury.
Can cause discoloration of nails/skin/etc.

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 respiration.

If patient is in cardiac arrest administer CPR.

Continue life supporting measures until medical assistance has arrived.

If patient is exhibiting signs of shock - Keep warm and quiet.

Contact Poison Control Center immediately if necessary.

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.

If swallowed, rinse out mouth with water, providing the person is conscious.
Get medical attention if necessary.
Remove and wash contaminated clothing.

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: N/A
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Auto Ignition: N/A
NFPA Hazard Rating: Health: Reactivity: Flammability: Special:
NFPA Scale: 0 = Least, 1 = Slight, 2 = Moderate, 3 = High, 4 = Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area.
Absorb on vermiculite or similar material. 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): N/A
ACGIH TLV (TWA): N/A
ACGIH TLV (STEL): N/A

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: N/A
Phase: Crystalline solid
Melting Point: N/A
Boiling Point: N/A
Density: N/A
Evaporation Rate (Butyl acetate-1): N/A
Vapor Pressure: N/A
Vapor Density: N/A
Odor: N/A
Solubility in water: Insoluble (immiscible)
Molecular Weight: N/A
Molecular Formula: N/A

SECTION 10 - STABILITY AND REACTIVITY

Low reactivity.
Combustible.
Incompatible with strong oxidizing agents.
Decomposition liberates toxic fumes.

SECTION 11 - TOXICOLOGY INFORMATION

RTECS: N/A
Oral Rat or Mouse LD50: N/A
Dermal Rat or Mouse LD50: N/A
Rat or Mouse LC50: N/A

Carcinogenicity

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

California Proposition 65 info: This chemical is considered to be a CARCINOGEN by the state of California. This chemical is considered to cause DEVELOPMENTAL TOXICITY by the state of California.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State and Local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

UN Number: UN2315
Class: 9
Packing Group: II
Proper Shipping Name: Polychlorinated biphenyls

SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives

Hazard Symbols: N/A
Risk Phrases: N/A
Safety Phrases: N/A

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. This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticide products, food additives or as household chemicals.

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