

Last Revision Date: 6/27/2012

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: BZ-7
Description: 2,4-Dichlorobiphenyl
Other Names: BZ# 7

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: 33284-50-3
Description: 2,4-Dichlorobiphenyl
EINECS No:
Hazard Symbols: N/A
Molecular Weight:
Molecular Formula:

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory
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.
Possible cumulative poison.
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 respirations.
If patient is in cardiac arrest administer CPR.
Continue life supporting measures until medical assistance has arrived.

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: Not Available
Extinguishing Media: Carbon dioxide, dry chemical powder or spray.

Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Auto Ignition: N/A

NFPA Hazard Rating:

Health Flammability Reactivity Special

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: Colorless to Pale Yellow

Phase: Liquid

Melting Point: 24.1-24.4 C

Boiling Point: 200 C

Specific Gravity: N/A

Vapor Density: N/A

Vapor Pressure: <0.1mm @38 C

Solubility in water: Insoluble (immiscible)

Odor: N/A

Evaporation Rate: N/A

Molecular Weight:

Molecular Formula:

SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 11 - TOXICOLOGY INFORMATION

RTECS: Not Available

<u>Oral Rat or Mouse LD50:</u> Not Available	<u>Dermal Rat or Mouse LD50:</u> > N/A	<u>Rat or Mouse LC50:</u> N/A
---	---	----------------------------------

Carcinogenicity					
<u>OSHA:</u>	<u>NTP:</u>	<u>IARC:</u>	<u>CARC:</u>	<u>NIOSH:</u>	<u>ACGIH:</u>
No	Yes	Yes	No	No	No

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

<u>UN Number:</u> UN2315	<u>Class:</u> 9	<u>Packing Group:</u> II	<u>Proper Shipping Name:</u> Polychlorinated biphenyls, liquid
-----------------------------	--------------------	-----------------------------	---

SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives
Hazard Symbols: N/A
Risk Phrases:
Safety Phrases:

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.

This Material Safety Data Sheet (MSDS) is intended only for use with Chem Service, Inc. products and should not be relied on for use with materials from any other supplier even if the chemical name(s) on the product are identical! Whenever using an MSDS for a solution or mixture the user should refer to the

MSDS for every component of the solution or mixture. Chem Service warrants that this MSDS is based upon the most current information available to Chem Service at the time it was last revised. THIS WARRANTY IS EXCLUSIVE, AND CHEM SERVICE, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. This MSDS is provided gratis and CHEM SERVICE, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES.

Copyright © 2000-2011 Chem Service, Inc. All rights reserved except that this MSDS may be printed for the use of a customer or prospective customer of Chem Service, Inc provided the entire MSDS is printed. The MSDS may not be placed in any database or otherwise stored or distributed in electronic or any other form.

This product is furnished FOR LABORATORY USE ONLY!