



## Safety Data Sheet (SDS)

Revision / Review Date: 12/5/14

### 1. Chemical Product and Company Identification

Product Name:	DCHP
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Dicyclohexyl phthalate
Molecular Formula:	C <sub>20</sub> H <sub>26</sub> O <sub>4</sub>
Molecular Weight via GPC, Mn:	330.42 g/mol
Product Use:	Laboratory chemicals, Manufacture of substances
OSHA Status:	Not hazardous
CAS No:	84-61-7

For emergency health, safety, and environmental information, calls 330-920-8023.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300.

### 2. Hazard(s) Identification

#### Warning:



#### Emergency Overview:

Granular solid; dusts may be irritating to mucous membranes and eyes. Contact may cause allergic skin and respiratory reactions. Causes eye and skin irritation. Ingestion and prolonged contact should be avoided.

#### Primary Routes of Entry:

Nose, mouth and eyes.

#### Eye Contact:

Irritating, but no permanent damage if washed out from eyes promptly with water.

#### Skin Contact:

May be mildly irritating to the skin. Prolonged or repeated skin contact may cause irritation.

#### Ingestion:

May cause central nervous system depression. Can cause nausea, vomiting, pain and general upset stomach conditions.

#### Inhalation:

Irritation to lungs, nose and throat.

#### HMIS Hazard Ratings:

Health-2, Flammability – 1, Reactivity – 0, Personal- C

HMIS limitation statement:

The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

**3. Composition / Information on Ingredients**

Weight Percent / Typical	Component Identity	CAS Number
>99%	Dicyclohexyl phthalate	84-61-7

**4. First Aid Measures**

Inhalation:

Remove to fresh air; give artificial respiration or oxygen if necessary.

Eyes:

Flush eyes with water for 15 minutes. Call a physician if irritation develops.

Skin:

Remove contaminated clothing and wash skin with soap and water. If in contact with hot product, treat as a burn.

Ingestion:

Give 1-2 large glasses of water or milk. Induce vomiting by touching finger to back of throat. Never give anything by mouth to unconscious person. Seek medical attention. DO NOT INGEST as it may cause central nervous system depression.

**5. Fire-Fighting Measures**

Protective equipment:

Full eye protection and protective clothing are required for all indoor/outdoor fires and spills. Wear self-contained breathing apparatus for firefighting if necessary.

Fire Fighting Procedures:

Use Chemical foam, CO<sub>2</sub>, Dry Chemical, water fog. Treat as burning oil.

Hazardous Combustion Products:

This product will decompose under extreme temperatures forming oxides of carbon.

**6. Accidental Release Measures**

Steps to be taken in case material is spilled:

Wear appropriate protective clothing, gloves and equipment. Eliminate all sources of ignition. Contain spill with inert absorbent or earth. Transfer to secure containers and dispose of according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Major spills should also be reported to the National Response Center.

Environmental Disposal Information:

Do not let product enter drains. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802).

Waste Disposal:

All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

**7. Handling and Storage:**

Empty Containers:

Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations.

Precautions to be taken in handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage:

Keep container tightly closed in a dry and well-ventilated place. Perform drum and tote filling in well-ventilated area, wearing protective eye shields and clothing.

**8. Exposure Controls / Personal Protection**

Exposure Controls:

Local exhaust ventilation is recommended to comfort level.

Respiratory Protection:

Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging.

Ventilation:

Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.

Protective Gloves:

Vinyl or rubber gloves.

Eye Protection:

Safety glasses with side shields.

Skin and Body Protection:

Gloves, boots and apron as appropriate.

Facilities:

There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

**9. Physical and Chemical Properties**

Physical Form:

Solid

Appearance & Odor:

White powder / odorless

<u>Specific Gravity:</u>	@25°C = 1.29
<u>Flash Point, TAG CC F:</u>	295°C COC
<u>Evaporation Rate (Water ~ 1):</u>	< 1 (butyl acetate=1)
<u>Vapor Pressure (mm Hg):</u>	<0.01 mm@20C
<u>Melting point:</u>	63 - 67 °C (145 - 153 °F) - lit.

#### **10. Stability and Reactivity**

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Material reacts with strong oxidizing agents, bases
<u>Conditions to Avoid:</u>	This product decomposes under high temperature and hydrolyses in humid conditions.
<u>Hazardous Decomposition:</u>	Carbon oxides.

#### **11. Toxicological Information**

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

#### **12. Ecological Information**

No data available.

#### **13. Disposal Considerations**

Incineration by a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### **14. Transport Information**

<u>D.O.T. Shipping Name:</u>	Not regulated.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not regulated.
<u>IATA:</u>	Not dangerous goods.

#### **15. Regulatory Information**

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

New Jersey RTK Label Information:

Dicyclohexyl phthalate, CAS-No.84-61-7

Pennsylvania RTK Label Information:

Dicyclohexyl phthalate, CAS-No.84-61-7

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. Other Information**

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.