



Section 1: Identification

PRODUCT AND COMPANY INFORMATION

**Product Name:** Dicyclohexyl phthalate      **Molecular Formula:** C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>  
**Catalog Number(s):** P-116  
**Company:** Scientific Polymer Products, Inc.  
6265 Dean Parkway  
Ontario, NY 14519  
**Telephone:** 585/265-0413  
**Fax:** 585/265-1390  
**Website:** www.scipoly.com  
**Emergency Phone Number:** 800-255-3924 (CHEM TEL)

Section 2: Hazards Identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin sensitization, Category 1, H317  
Reproductive Toxicity, Category 1B, H360D  
Environmental Chronic, Category 3, H412

GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H317 May cause an allergic skin reaction.  
H360D May damage the unborn child.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/ face protection.  
P273 Avoid release to the environment.  
P201 Obtain special instructions before use.  
P302+P352 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P308+P313 IF exposed or concerned: Get medical advice/ attention.  
P405 Store locked up.  
P501 Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS- None

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

### Section 3: Composition/Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Dicyclohexyl phthalate	84-61-7	100 %

### Section 4: First Aid Measures

#### Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### In case of skin contact

Immediately flush with water for 15 minutes. Wash the contaminated skin with soap and plenty of water. If irritation develops, consult a physician.

##### In case of eye contact

Immediately flush eyes with plenty of water. Get medical attention if irritation persists..

##### If swallowed

If swallowed, contact physician or poison control center immediately.

##### Most important symptoms and effects, both acute and delayed

ACUTE: Prolonged or repeated skin contact may cause skin irritation in some individuals.

DELAYED: None known.

##### Indication of any immediate medical attention and special treatment needed

No data available

### Section 5: Fire-Fighting Measures

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special hazards arising from the substance or mixture

Carbon oxides

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

No data available

### Section 6: Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all contaminated clothing to prevent further absorption. Leather shoes that have been saturated must be discarded. For personal protection see section 8.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### Methods and materials for containment and cleaning up

Remove all ignition sources. Ventilate the area of spill or leak. Wear protective equipment during clean-up. Material can then be collected for later disposal. After collection of material, flush area with water. Keep in suitable, closed containers for disposal.

#### Reference to other sections

For disposal see section 13.

## Section 7: Handling and Storage

#### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.

#### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class (TRGS 510): Combustible liquids

#### Specific end use(s)

Laboratory chemicals, Manufacture of substances

## Section 8: Exposure Controls/Personal Protection

#### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values

#### Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

#### Personal protective equipment

#### Eye/face protection

Safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

For nuisance exposures use OV/AG or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## Section 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

a)	Appearance	Form: Waxy powder
b)	Odor	Mild
c)	Odor Threshold	No data available
d)	pH	No data available

e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Flammability or explosive limits	
	Upper	No data available
	Lower	No data available
k)	Vapor pressure	No data available
l)	Vapor density	No data available
m)	Relative density	No data available
n)	Water solubility	Insoluble
o)	Partition coefficient: n- octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

**Other safety information**

No data available

## Section 10: Stability and Reactivity

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

Avoid contact with incompatible materials, dust generation and sources of heat

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

Other decomposition products- No data available

In the event of fire: see section 5

## Section 11: Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

LD50 Oral-Rat- >2,000 mg/kg

LC50 Inhalation-No data available

LD50 Dermal-Rat- >2,000 mg/kg

**Skin corrosion/irritation**

May cause slight irritation

**Serious eye damage/eye irritation**

May cause slight irritation

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

Negative for mutagenic activity in Ames testing and mouse lymphoma assay, both with and without metabolic activation

### **Carcinogenicity**

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

Two generation reproductive/developmental studies in laboratory animals show clear evidence of adverse effects on the development of the offspring following parental exposure, at doses which did not result in marked maternal toxicity.

### **Specific target organ toxicity- single exposure (GHS)**

Inhalation- May cause respiratory irritation

### **Specific target organ toxicity- repeated exposure (GHS)**

No data available

### **Aspiration hazard**

No data available

### **Additional Information**

RTECS: TCI0889000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **Section 12: Ecological Information**

### **Toxicity**

LC50 (96 h) *Oryzias latipes* (Medaka) > 2 mg/l  
EC50 (48 h) *Daphnia magna* > 2 mg/l  
EC50 (72 h) *Selenastrum capricornutum* (algae) > 2 mg/l  
NOEC *Daphnia magna* = 0.181 mg/l

### **Persistence and degradability**

Material is readily biodegradable under aerobic conditions

### **Bioaccumulative potential**

Bioconcentration is not expected to occur

### **Mobility in soil**

No data available

### **Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### **Other adverse effects**

No data available

## **Section 13: Disposal Considerations**

### **Waste treatment methods**

### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Section 15: Regulatory Information**

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

Dicyclohexyl phthalate	CAS-No. 84-61-7
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**Pennsylvania Right To Know Components**

Dicyclohexyl phthalate	CAS-No. 84-61-7
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**New Jersey Right To Know Components**

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

**Section 16: Other Information**

**HMIS Rating**

Health:	2
Flammability:	0
Reactivity:	0

**NFPA Rating**

Health:	2
Flammability:	0
Reactivity:	0

This material is intended for laboratory use only. It is not sold or intended for drug, household or other uses. The information represents the most accurate and complete data currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.