



Section 1: Identification

PRODUCT AND COMPANY INFORMATION

**Product Name:** Di-(2-ethylhexyl) phthalate [Diocetyl phthalate]  
**Catalog Number(s):** P-181 **Molecular Formula:** C<sub>24</sub>H<sub>38</sub>O<sub>4</sub>  
**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)**  
Reproductive Toxicity, Category 1B, H360

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)  
H360

May damage fertility or the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P281 Use personal protective equipment as required.  
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-** Endocrine disrupting chemical(s)

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 (%)
Di-(2-ethylhexyl) phthalate [Diocetyl phthalate]	117-81-7	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

Wash off with soap and plenty of water. If irritation develops, consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

### 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. For personal protection see section 8.

### Environmental precautions

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

### Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as a hazardous waste. 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.

## Section 8: Exposure Controls/Personal Protection

### Control parameters

#### Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Di-(2-ethylhexyl) phthalate [Dioctyl phthalate]	117-81-7	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (TLV)
	Remarks	Lower Respiratory Tract irritation Confirmed animal carcinogen with unknown relevance to humans		
		TWA	5mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		Potential Occupational Carcinogen		
		ST	10 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		Potential Occupational Carcinogen		
		TWA	5 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants

### 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

Where risk assessment shows air purifying respirators are appropriate use full face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. 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. Discharge into the environment must be avoided.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a)	Appearance	Form: Liquid
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	No data available
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**

No data available

**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- 30,000 mg/kg

LD50 Dermal-Rabbit- 25,000 mg/kg

**Skin corrosion/irritation**

Skin-Rabbit                      Result: Mild skin irritation -24 h

**Serious eye damage/eye irritation**

Eyes-Rabbit                      Result: Mild eye irritation- 24 h

**Respiratory or skin sensitization**

Maximization Test (GPMT) -Guinea pig    Result: Does not cause skin sensitization.    (OECD Test Guideline 406)

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP or EPA classification.

IARC: 2B- Group 2B: Possibly carcinogenic to humans (Di-(2-ethylhexyl) phthalate [Diocetyl phthalate])  
 NTP: Reasonably anticipated to be a human carcinogen (Di-(2-ethylhexyl) phthalate [Diocetyl phthalate])  
 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**

May cause congenital malformation of the fetus. Presumed human reproductive toxicant. May cause reproductive disorders

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

No data available

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

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: T10350000

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

<b>Section 12: Ecological Information</b>
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**Toxicity**

Toxicity to fish	LC50- Pimephales promelas (Fathead minnow)- >0.67 mg/l- 96 h LC50- Oncorhynchus mykiss (Rainbow trout) ->0.32 mg/l -96 h LC50- Cyprinodon variegatus (Sheepshead minnow)- >0.17 mg/l -96 h LC50- Lepomis macrochirus (Bluegill) - >0.20 mg/l- 96 h NOEC-Other fish- > 0.3 mg/l- 96 h
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Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50-Daphnia magna (water flea)->0.16 mg/l – 48 h
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**Persistence and degradability**

Biodegradability	Result: Readily biodegradable (OECD Test Guideline 301)
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**Bioaccumulative potential**

Bioaccumulation	Oncorhynchus mykiss (Rainbow trout) -100 d -0.014 mg/l Bioconcentration factor (BCF): 113 Remarks: Does not bioaccumulate
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**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**

An environmental hazard cannot be excluded in the event of unprofessional handling and disposal. Very toxic to aquatic life with long lasting effects. Avoid release to the environment.

<b>Section 13: Disposal Considerations</b>
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**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)**

UN number: 3082                      Class: 9                      Packing group: III  
Proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (Di-(2-ethylhexyl) phthalate [Diocetyl phthalate])  
Reportable Quantity(RQ): 100 lbs  
Poison inhalation hazard: No

**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**

The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.
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**SARA 311/312 Hazards**

Chronic Health Hazard

**Massachusetts Right To Know Components**

	CAS-No.
Di-(2-ethylhexyl) phthalate [Diocetyl phthalate]	117-81-7

**Pennsylvania Right To Know Components**

	CAS-No.
Di-(2-ethylhexyl) phthalate [Diocetyl phthalate]	117-81-7

**New Jersey Right To Know Components**

	CAS-No.
Di-(2-ethylhexyl) phthalate [Diocetyl phthalate]	117-81-7

**California Prop. 65 Components**

WARNING This product contains a chemical known to the State of California to cause birth defects or other reproductive harm

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### Section 16: Other Information

**HMIS Rating**

Health:	1
Flammability:	1
Reactivity:	0

**NFPA Rating**

Health:	1
Flammability:	1
Reactivity:	0

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