



Section 1: Identification

PRODUCT AND COMPANY INFORMATION

**Product Name:** Dimethyl phthalate **Molecular Formula:** C<sub>10</sub>H<sub>10</sub>O<sub>4</sub>  
**Catalog Number(s):** P-168  
**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**  
Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**  
Not a hazardous substance or mixture.

**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 (%)
Dimethyl phthalate	131-11-3	100

Section 4: First Aid Measures

**Description of first aid measures**

**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.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

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

**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

<b>Section 5: Fire-Fighting Measures</b>
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**Suitable extinguishing media**

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

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

No data available.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available

<b>Section 6: Accidental Release Measures</b>
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**Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

**Environmental precautions**

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

**Methods and materials for containment and cleaning up**

Keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

<b>Section 7: Handling and Storage</b>
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**Precautions for safe handling**

Observe label precautions. 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. Protect from light.

Store at +15° C to +25° C (+59° F to +77° F)

Storage class(TRGS 510): Combustible liquids

**Specific end use(s)**

Laboratory chemicals, Manufacture of substances

<b>Section 8: Exposure Controls/Personal Protection</b>
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**Control parameters****Components with workplace control parameters**

Component	CAS No.	Value	Control parameters	Basis
Dimethyl phthalate	131-11-3	TWA	5 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Upper Respiratory Tract irritation Eye irritation		

		TWA	5 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		TWA	5 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) –Table Z-1 Limits for Air Contaminants
		PEL	5 mg/m <sup>3</sup>	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

## Exposure controls

### Appropriate engineering controls

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

### Personal protective equipment

#### Eye/face protection

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

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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	Slight aromatic
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)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	No data available
l)	Vapor density	No data available
m)	Relative density	No data available
n)	Water solubility	Slight
o)	Partition coefficient: n- octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available

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|----|----------------------|-------------------|
| 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**

Forms explosive mixtures with air on intense heating.

**Chemical stability**

Sensitivity to light.

**Possibility of hazardous reactions**

Exothermic reaction with strong oxidizing agents, strong acids, nitrates, bases

**Conditions to avoid**

Strong heating.

**Incompatible materials**

No data available

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions- Carbon oxides

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 – 8,200 mg/kg

Inhalation: no data available

LD50 Dermal-Rabbit - > 12,000 mg/kg

**Skin corrosion/irritation**

Skin- Rabbit

Result: No skin irritation -24 h

**Serious eye damage/eye irritation**

Eyes-Rabbit

Result: No eye irritation -72 h

(OECD Test Guideline 405)

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

Ames Test

S. Typhimurium

Result: Negative

Rat-male

Result: Negative

**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**

Rat- female -Oral

No adverse effect has been observed in chronic toxicity tests

#### **Specific target organ toxicity - single exposure**

No data available

#### **Specific target organ toxicity - repeated exposure**

No data available

#### **Aspiration hazard**

No data available

#### **Additional Information**

RTECS: Not available

## **Section 12: Ecological Information**

#### **Toxicity**

Toxicity to fish flow through test LC50-Pimephales promelas (fathead minnow) 39 mg/l- 144 h

Toxicity to daphnia and other aquatic invertebrates LC50-Daphnia magna (water flea)- 52 mg/l – 48 h  
EC50-Daphnia magna (water flea)- 46 mg/l – 48 h

Toxicity to algae static test EC50- Desmodesmus subspicatus(green algae)-204 mg/l-72 h

#### **Persistence and degradability**

Biodegradability aerobic- Exposure time 28 d  
Result: 24.2%- Not readily biodegradable  
(OECD Test Guideline 301D)

#### **Bioaccumulative potential**

Bioaccumulation Lepomis macrochirus (Bluegill sunfish) -21 d  
  
Bioconcentration factor (BCF): 57  
(OECD Test Guideline 305)

#### **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.

## **Section 13: Disposal Considerations**

#### **Waste treatment methods**

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**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**

No SARA Hazards

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

Dimethyl phthalate	CAS-No. 131-11-3
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**New Jersey Right To Know Components**

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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:	0
Flammability:	1
Reactivity:	0

**NFPA Rating**

Health:	0
Flammability:	1
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.