

**1. Identification of the substance/preparation and of the company/undertaking**

*Identification of the product*

*Catalogue No.:*

*Product name: DOTP*

*Manufacturer/supplier identification*

Company: Zhuhai Unicizers Industrial Co.,Ltd

Address: Bi Yang R., Gaolan Harbor Economical Zone, Zhuhai GuangDong, China

Tel: ++ (86) 756-7265670;Fax: ++(86) 756-7265430

Emergency telephone No.: (86) (86) 756-7265670

**2. Composition/information on ingredients**

Synonyms

CAS-No.: 6422-86-2

Molar mass: 390.57 EC-No.: 229-176-9

Molecular formula: C<sub>24</sub>H<sub>38</sub>O<sub>4</sub>

**2. Hazards identification**

No specific hazards are known.

**3. First aid measures**

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

**4. Fire-fighting measures**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated. Extinguishing media: Use agent most appropriate to extinguish fire. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

**5. Accidental release measures**

Small spills/leaks : Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Provide ventilation. For Large Spills: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

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### 6. Handling and Storage

**Handling :** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### 7. Exposure controls/personal protection

Exposure effects : the toxicological properties of this material have not been investigated.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to condition. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

### 8. Physical and chemical properties

Form:	liquid
Color:	colorless
Odor:	slight
Specific Gravity :	0.985 (20°C)
Vapor Pressure :	1 mm Hg @ 217°C..
Vapor Density:	13.5 (air=1)
Freezing Point :	-48 °C..
Boiling point	383 °C..
Viscosity:	63 cp @ 25°C
Solubility in water :	4.0mg 20°C..
Partition coefficient,	pKow 9.67
Flash point :	238 °C (Cleveland open cup)
Auto-ignition Temperature:	
Thermal Decomposition Temperature:	

### 9. Stability and reactivity

Stability: Stable.

Incompatibility: Material reacts with strong oxidizing agents.

Hazardous polymerization: will not occur

### 10. Toxicological information

Oral LD-50 (rat): > 5,000 mg/kg (highest dose tested)

Oral LD-50 (mouse): > 3,200 mg/kg (highest dose tested)

Skin irritation (guinea pig): slight

Eye irritation (rabbit): slight

Skin sensitization (guinea pig): slight

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### 11. Ecological information

The toxicity data are listed below:

Oxygen demand data:

COD: 2.7 g/g

ThDOB: 2.58 g/g

Acute aquatic effects data:

96h LC-50 (fathead minnow): > 984 mg/l (nominal concentration)

96h LC-50 (ramhsorn minnow): > 984 mg/l (nominal concentration)

96h EC-50 (oyster): > 0.624 mg/l (limit of solubility in sea water)

48h EC-50 (daphnid): > 0.0014 mg/l

72h EC-50 (selenastrum capricornutum): NOEC  $\geq$  0.86 mg/l

### 12. Disposal considerations

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

### 13. Transport information

Not subject to transport regulations.

### 14. Regulatory information

Labeling according to EC Directives

Symbol: -----R-

Phrases: -----S-

Phrases: -----16.

### 15. Other information

Reason for alteration

General update.

Addition in the chapter toxicology.

Regional representation:

This information is give on the authorized Safety Data Sheet for your country.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.