

MATERIAL SAFETY DATA SHEET
MSDS

NO.: A002R121108003-1R01

CHEMICAL NAME: DIOCTYL-TEREPHTHALATE

DOTP

COMPANY: SHANDONG BLUE SAIL CHEMICAL CO. LTD.

**ADDRESS: QILU CHEMICAL INDUSTRIAL AREA, ZIBO CITY, SHANDONG
PROVINCE, P.R. CHINA**

TESTING CENTER: AOV TESTING

I. PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: DIOCTYL-TEREPHTHALATE; DOTP

Supplier: Shandong Blue Sail Chemical Co. Ltd.

Address: Qilu Chemical Industrial Area, Zibo City, Shandong Province, P.R. China

Post code: 255411

TEL: 0533-7526062

FAX: 0533-7526062

E-mail: LF@QLZSJ.COM

Application: Used in plastic, rubber, emulsifier, etc

II. HAZARDS IDENTIFICATION

Hazards categories: Non-Hazard goods

Pictogram: none

Pathways: skin contact, eyes contact, ingestion, inhalation

Health hazards: currently, no information on occupational poisoning reported.

Environmental hazards: this substance has environmental pollution

Explosion hazard: combustible.

III. COMPOSITION AND PHYSICAL DATA

Chemical Name: DOTP

Molecular Formula: C₂₄H₃₈O₄

EC No.: 229-176-9

CAS No.: 6422-86 -2

Concentration: ≥99%

IV. FIRST AID MEASURES

Skin Contact: Remove contaminated clothing, then wash skin with plenty of flowing water.

Eye Contact: Turn up eye face, first rinse with plenty of flowing water or Physiological saline, then go for contact doctor.

Inhalation: Leave from on site to fresh air, ventilation, keeps the airway open, rest

more. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration immediately and get medical treatment.

Fresh into: coverage to those who should drink a lot of water, induce vomiting and get medical treatment.

V. FIRE FIGHTING MEASURES

Hazardous characteristics: Combustible

Hazardous combustion products: carbon monoxide, carbon dioxide, dense smoke

Fire fighting methods: The fireman should wear Filter type gas mask(full mask) or Isolation respirator, General fire protective clothing, put out fire in the up wind. Try to move container to the empty place. Spray water to keep fire container cooling until the fire fighting finished.

Fire fighting media: use AFFF, dry powder, carbon dioxide, sand put out the fire

VI. ACCIDENTAL RELEASE MEASURES

Emergency treatment: Rapid leave contaminated areas evacuated personnel to a safe area, and isolation and strict restrictions on access. Cut off the fire source. Recommended the person who deal with the emergency should wearing self-pressurized respirators and wear the anti-static clothing. Cut off the source of leakage as possible. Preventing the leakage goes to sewers, flood discharge trench etc. restrictive space.

Small amount of leakage: Use sand, activated carbon or other inert materials to absorb the residue, collect leaking liquid in a tank lorry or covered container by using a explosion pump. Collect residue carefully, recovery or carry to the waste disposal sites.

VII. HANDLING AND STORAGE

Handling precaution: Closed operation, provide good natural ventilation. Prevent the steam leaking into the work air. Operator must go through specialized training, strict adherence to rules. Proposed operators wear self-absorption filter respirators, wearing rubber gloves. Keep away from the fire, heat, workplace forbid smoke. Correspond with the variety and quantity of fire-fighting equipment and emergency equipment of leakage. Empty containers may be harmful residues.

Storage precautions: Store in a cool, ventilated warehouse. The warehouse temperature should not be above 35°C. Away from heat, ignition sources. Avoid direct sunlight. Should be strong oxidants, strong acids, strong alkali stored separately. Container maintained in seal. Storage areas should be equipped with spill response equipment and suitable host material.

VII. EXPOSURE CONTROL/ PERSONAL PROTECTION

Occupational exposure limits: TLV not established.

Testing method: None.

Engineering controls: closed production process, full local ventilation. Provide a safety shower and eyewash equipment for DOTP storage or use. Full ventilation, to make a low concentration in the air.

Respiratory protection: High concentrations can wear appropriate respiratory protection. Wear the air respirators during emergency rescue or evacuation.

Eye protection: wearing chemical protective safety glasses.

Physical protection: wear protection clothes

Hand protection: Wear oil-resistant rubber gloves.

Others: work site prohibit smoking, eating and drinking. Attention to personal hygiene.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless oily liquid

Odour: A special odour

Flash point (°C) : ≥ 210

Boiling point (°C) : 400°C (0.8kPa)

Melting point: not available

Upper explosive limit% (V/V) : Not available

Low explosive limit% (V/V) : Not available

Vapor pressure: NA

Vapor density: None

Density: 0.984(20°C)

PH: Neutral

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Solubility: The solubility in water is 0.4% when 20°C, soluble in most of the organic solvents and hydrocarbon, having a good compatibility with great majority of the industrial resin. Partly compatible with acetate, polyvinyl acetate.

n-2EH: NA

Fire point: 399°C

Decomposition temperature: NA

X. STABILITY AND REACTIVITY

Stability: stable when normalcy

Materials to avoid: Strong acids, alkalis, oxidizers

Conditions to avoid: High heat, open fire, moist

Hazardous polymerization: None

Decomposition product: Carbon monoxide, carbon dioxide, dense smoke from heat decomposition

XI. TOXICOLOGICAL INFORMATION

Chemical Name: DIOCTYL-TEREPHTHALATE; DOTP

RTECS NO.: WZ0883500

LDLo: 20mg/kg(Mice through the mouth)

Thrill: Not available

Sensitization: Not available

Mutagenicity: Not available

Teratogenicity: Not available

Carcinogenicity: Not available

Reproduction toxicity: Not available

Others: Not available

Specific target organ system toxicity--- Disposable contact: Not available

Specific target organ system toxicity--- Repeated contact: Not available

Inhalation hazard: Not available

Others: This product is not allowed to discharge to the river or in the soil

XII. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Biodegradable: Not available

Potential bioaccumulative: Not available

Mobility in soil: Not available

Other harmful effect: The substance is possibly harmful to environment. High attention should be paid on the water pollution.

XIII. DISPOSAL CONSIDERATIONS

Chemical Name: DIOCTYL-TEREPHTHALATE; DOTP

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Nature of waste: hazardous waste

Waste disposal methods: Please refer to the relevant state and local laws and regulations before treatment.

Waste Note: None

XIV. TRANSPORT INFORMATION

UN Number: Not applicable

Transportation name: None

Risk category: III

Packing Group: None

Marine pollution (Y/N) : /

Packing and marking: Environmentally hazardous substances

Transportation Note: Check the transport containers in advance; it should be completed, sealed. During transport process, containers should be placed with care to prevent leaking, collapse, dropping and damage. Strictly prohibited mixed loading and transport with Food chemicals and oxidants.

XV. REGULATION

Regulation information: ISO 11014-2009 Safety data sheet for chemical products -
Content and order of sections

GHS - Globally harmonized system of classification and labelling of chemicals, third revised edition. Transport of dangerous goods, sixteenth revised edition.

XVI. OTHERS INFORMATION

References: None

Fill in Department: None

Data audit unit: None

Edit Description: None

Other information: The above information is based on the basis of accurate data, because this information could be applicated in circumstances beyond our control or be modified, we do not take any responsibility of that. The information are supplied for the consignee who has made a decision of the material for proper purpose.

Term: None

Abbreviation: EC: European Inventory of Existing Commercial chemical Substances

RTECS: Registry of Toxic Effects of Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LDLo: Lowest published lethal dose

NA: Not applicable

Fill in Date: 2012-11-12

Annex: SAMPLE PHOTO

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