

Diethyl Phthalate Material Safety Data Sheet

Section 1 - Chemical Product and information

MSDS Name: Diethyl Phthalate

Synonym: Diethyl-o-phthalate,

Company name: Runtai chemical Co.,Ltd

Contact department: Marketing department

TEL/FAX: 0523-82580888

Address: Yangzhou Road, No. 900, Jiangyan Economic Development Zone, Jiangsu.

Effective date: 2015.5.1

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Harmful ingredients: Diethyl Phthalate

Content: Pure product

CAS#: 84-66-2

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye:

Contact produces irritation, tearing, and burning pain.

Skin:

Causes skin irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation:

Causes respiratory tract irritation. May cause narcotic effects in high concentration.

Explosion danger: this product Can burn.

Section 4 - FIRST AID MEASURES

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

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical aid.

Notes to Physician:

Section 5 - FIRE FIGHTING MEASURES

Dangerous characteristics: this product can burn.

Extinguishing method:

Move the containers from the fire to an empty place as far as possible. Keep containers cool until the end of fire. People have to be evacuated if the fire in the container already become angry or from safety pressure relief devices generate sound.

Agent: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

Section 7 - HANDLING and STORAGE

Address: No. 900 Yangzhou Road, Jiangyan Economic Development Zone, Jiangsu Province, China

Tel: +86 523-8258 0666

Fax: +86 523-8258 0999

Web: www.jsrthx.com

email: jsrthx@sina.com

Handling:

Wash thoroughly after handling. Use only in a well-ventilated area.

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Content: Pure product

Physical State: Liquid

Appearance and odor: colourless, odorless.

pH: Not available.

Vapor Pressure: 14 mm Hg @163C

Boiling Point: 298 - 299 deg C @ 760.00mm Hg

Freezing/Melting Point: -3 deg C

Autoignition Temperature: Not available.

Flash Point: 160 deg C (320.00 deg F)

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Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: IN WATER: 0.15% (25°C)

Specific Gravity/Density: 1.1180g/cm³

Molecular Formula: C₁₂H₁₄O₄

Molecular Weight: 222.24

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable.

Incompatibilities with Other Materials:

Strong acids such as nitric acid, strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 84-66-2: TI1050000 LD50/LC50:

CAS# 84-66-2: Oral, mouse: LD50 = 6172 mg/kg; Oral, rabbit: LD50 = 1 gm/kg;

Oral, rat: LD50 = 8600 mg/kg.

Carcinogenicity:

Diethyl Phthalate - ACGIH: A4 - Not Classifiable as a Human Carcinogen See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

No data.

Section 13 - DISPOSAL CONSIDERATIONS

Waste properties: no material.

Disposal methods: use incinerating disposal.

Abandoned note: no material.

Section 14 - TRANSPORT INFORMATION

Dangerous goods Numbers: no material

UN Numbers: no material

Packaging symbol: no material

Packaging categories: Z01

Packaging methods: no material.

Transportation note: Check the packaging first, then have to be ensure that containers in good condition, and don't transport with oxidant, highway transportation must be routed to drive by the regulation.

Section 15 - REGULATORY INFORMATION

Regulations information: <Dangerous chemicals safety management regulations> (February 17, 1987 issued by the state council), <Detailed rules for the implementation of dangerous chemicals safety management regulations> (Issued by the labor of chemical industry department [1992] no. 677), < the safety regulations for using chemical at workplace> ([1996] no. 423, the department of labor), etc, and have the corresponding provisions.