

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

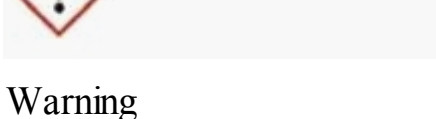
Product name : Dimethyl phthalate

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008  
Eye irritation (Category 2)  
This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements

Pictogram	
Signal word	Warning
Hazard statement(s) H319	Causes serious eye irritation.
Precautionary statement(s) P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C10H10O4  
Molecular Weight : 194,18 g/mol

CAS-No.	EC-No.		Classification	Concentration
<b>Dimethyl phthalate</b> 131-11-3	205-011-6	-	Eye Irrit. 2; H319	-

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors, mist or gas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Normal measures for preventive fire protection.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Respiratory protection not required.For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses with side-shields conforming to EN166

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid, clear

Colour colourless

Safety data

pH no data available

Melting point 2 °C - lit.

Boiling point 282 °C - lit.

Flash point 146,0 °C - closed cup

Ignition temperature 490 °C

Lower explosion limit 0,94 %(V)

Upper explosion limit 8,03 %(V)

Vapour pressure 0,0020 hPa at 20,0 °C  
1,3 hPa at 100,0 °C

Density 1,19 g/cm3 at 25 °C

Water solubility slightly soluble

Partition coefficient:  
n-octanol/water log Pow: 1,47

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

Oxidizing agents, acids

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - 8.239 mg/kg

LD50 Dermal - rabbit - > 11.940 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Genotoxicity

no data available

Reproductive toxicity

Possible risk of congenital malformation in the fetus.

Developmental toxicity

no data available

Subacute toxicity

no data available

Subchronic toxicity

no data available

Chronic toxicity

no data available

Local effects

no data available

Systemic effects

no data available

Other effects

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