### 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 + P338IF 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

194,18 g/mol Molecular Weight CAS-No. EC-No.

**Dimethyl phthalate** 131-11-3 205-011-6 Eye Irrit. 2; H319

Classification

Concentration

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

If inhaled

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

4. FIRST AID MEASURES

In case of skin contact Wash off with soap and plenty of water.

Flush eyes with water as a precaution.

In case of eye contact

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

If swallowed

**5. FIRE-FIGHTING MEASURES** 

Suitable extinguishing media

Special protective equipment for fire-fighters

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

## Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid breathing vapors, mist or gas.

### Do not let product enter drains. Methods and materials for containment and cleaning up

**Environmental precautions** 

**Precautions for safe handling** Normal measures for preventive fire protection.

7. HANDLING AND STORAGE

**Conditions for safe storage** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Keep in suitable, closed containers for disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment **Respiratory protection** 

### 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

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN

Hygiene measures

General industrial hygiene practice.

colourless

490 °C

0,94 %(V)

no data available

**Appearance** 

Ignition temperature

Lower explosion limit

n-octanol/water

Materials to avoid

liquid, clear Form

9. PHYSICAL AND CHEMICAL PROPERTIES

### Safety data

## рΗ

Colour

2 °C - lit. Melting point Boiling point 282 °C - lit. Flash point 146,0 °C - closed cup

Upper explosion limit 8,03 %(V) Vapour pressure 0,0020 hPa at 20,0 °C 1,3 hPa at 100,0 °C 1,19 g/cm3 at 25 °C Density Water solubility slightly soluble Partition coefficient: log Pow: 1,47

10. STABILITY AND REACTIVITY Chemical stability Stable under recommended storage conditions. Conditions to avoid no data available

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

Eyes - rabbit - Mild eye irritation Respiratory or skin sensitization no data available

Serious eye damage/eye irritation

no data available Carcinogenicity

ACGIH, NTP, or EPA classification.

Possible risk of congenital malformation in the fetus.

Specific target organ toxicity - repeated exposure

Germ cell mutagenicity

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.

Reproductive toxicity

no data available

Aspiration hazard no data available

Inhalation

Ingestion

Skin

**Toxicity** 

Potential health effects

12. ECOLOGICAL INFORMATION

Toxicity to daphnia

**Bioaccumulative potential** 

Bioaccumulation

Mobility in soil no data available

**Product** 

**IMDG** 

Specific target organ toxicity - single exposure no data available

May be harmful if inhaled. May cause respiratory tract irritation.

May be harmful if absorbed through skin. May cause skin irritation.

LC50 - Cyprinodon variegatus (sheepshead minnow) - 29,00 mg/l - 96 h

NOEC - Oncorhynchus mykiss (rainbow trout) - 38 mg/l - 96 h

EC50 - Daphnia magna (Water flea) - 46,00 mg/l - 48 h

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

May be harmful if swallowed.

nervous system depression, Gastrointestinal disturbance, Kidney injury may occur.

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC,

#### May cause eye irritation. Eyes Signs and Symptoms of Exposure burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Central

**Additional Information** RTECS: TI1575000

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 121,00 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 56,00 mg/l - 96 h LC50 - Lepomis macrochirus (Bluegill) - 50,00 mg/l - 96 h

and other aquatic invertebrates. Persistence and degradability no data available

Lepomis macrochirus (Bluegill) - 21 d

Bioconcentration factor (BCF): 57

no data available Other adverse effects no data available

13. DISPOSAL CONSIDERATIONS

PBT and vPvB assessment

### Contaminated packaging Dispose of as unused product.

Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION ADR/RID

Not dangerous goods

Not dangerous goods

**IATA** Not dangerous goods 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. OTHER INFORMATION Text of H-code(s) and R-phrase(s) mentioned in Section 3

Eye irritation Eye Irrit. H319 Causes serious eye irritation. **Further information** 

For R&D use only. Not for drug, household or other uses. WARRANTY:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any www.lookchem.com damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.