

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

Product name : Bis(methylglycol) phthalate

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

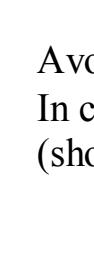
Reproductive toxicity (Category 1B)

According to European Directive 67/548/EEC as amended.

May cause harm to the unborn child. Possible risk of impaired fertility.

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

H360Df May damage the unborn child. Suspected of damaging fertility.

Precautionary statement(s)

P201

Obtain special instructions before use.

P308 + P313

IF exposed or concerned: Get medical advice/attention.

Hazard symbol(s)

T

Toxic

R-phrase(s)

R61

May cause harm to the unborn child.

R62

Possible risk of impaired fertility.

S-phrase(s)

S53

Avoid exposure - obtain special instructions before use.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Restricted to professional users.

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Bis(2-methoxyethyl) phthalate
Dimethylglycol phthalate

Formula : C14H18O6

Molecular Weight : 282,29 g/mol

| CAS-No. | EC-No. | Classification | Concentration |
|----------|-----------|---|---------------|
| 117-82-8 | 204-212-6 | Repr. 1B; H360Df T, Repr.Cat.2, Repr.Cat.3, R61 - R62 | - |

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

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

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

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid inhalation of vapour or mist. Avoid exposure - obtain special instructions before use.

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. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.

Eye protection

Safety glasses with side-shields conforming to EN166

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : clear, viscous, liquid

Colour : colourless

Safety data

pH : no data available

Melting point : no data available

Boiling point : 230 °C at 13 hPa - lit.

Flash point : 121 °C - closed cup

Ignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Density : 1,173 g/cm3 at 20 °C

Water solubility : no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - mouse - 3.200 mg/kg

LD50 Dermal - guinea pig - > 20.000 mg/kg

Skin corrosion/irritation

Skin - guinea pig - Mild skin irritation

Serious eye damage/eye irritation

Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

Genotoxicity in vivo - rat - Oral

sperm

Genotoxicity in vivo - mouse - Intraperitoneal

Dominant lethal test

Carcinogenicity

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

Presumed human reproductive toxicant

Reproductive toxicity - rat - Oral

Reproductive toxicity - rat - Intraperitoneal (including genetic material, sperm morphology, motility, and count). Paternal Effects: Testes, epididymis, sperm duct.

Reproductive toxicity - rat - Implantation mortality (e.g., dead and/or resorbed implants per total number of implants). Effects: Implants - embryo or placenta (e.g., dead, e.g., resorbed, or resorbed implants per total number of implants). Effects: Embryo or Fetus: Embryo toxicity (except death, e.g., stunted fetus). Effects on Embryo or Fetus: Fetal death.

Developmental Toxicity - rat - Intraperitoneal: Central nervous system. Specific Developmental Abnormalities: Other developmental abnormalities.

Developmental Toxicity - rat - Intraperitoneal: Eye, ear. Specific Developmental Abnormalities: Eye, ear. Specific Developmental Abnormalities: Other developmental abnormalities.

Developmental Toxicity - rat - Oral: Central nervous system. Specific Developmental Abnormalities: Eye, ear. Specific Developmental Abnormalities: Other developmental abnormalities.

Developmental Toxicity - rat - Oral: Cardiovascular (circulatory) system. Specific Developmental Abnormalities: Eye, ear. Specific Developmental Abnormalities: Other developmental abnormalities.

Developmental Toxicity - rat - Oral: Musculoskeletal system. Specific Developmental Abnormalities: Urogenital system.

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