

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

Product name : Lead(II) iodide

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Reproductive toxicity (Category 1A)

Acute toxicity, Inhalation (Category 4)

Acute toxicity, Oral (Category 4)

Specific target organ toxicity - repeated exposure (Category 2)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)

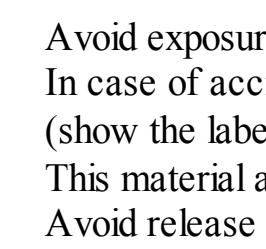
According to European Directive 67/548/EEC as amended.

May cause harm to the unborn child. Possible risk of impaired fertility. Harmful by inhalation and if swallowed.

Danger of cumulative effects. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

Harmful if swallowed.

H302

Harmful if inhaled.

H332

May damage fertility or the unborn child.

H360

May cause damage to organs through prolonged or repeated exposure.

H373

Very toxic to aquatic life with long lasting effects.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

Obtain special instructions before use.

P201

Avoid release to the environment.

P273

IF exposed or concerned: Get medical advice/ attention.

P308 + P313

Dispose of contents/ container to an approved waste disposal plant.

P501

Precautionary statement(s)

Hazard symbol(s)

Toxic

T

Dangerous for the environment

N

R-phrase(s)

May cause harm to the unborn child.

R61

Also harmful by inhalation and if swallowed.

R20/22

Danger of cumulative effects.

R33

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R50/53

Possible risk of impaired fertility.

R62

Obtain special instructions before use.

S-phrase(s)

Avoid exposure - obtain special instructions before use.

S53

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

S45

This material and its container must be disposed of as hazardous waste.

S60

Avoid release to the environment. Refer to special instructions/ Safety data sheets.

S61

Restricted to professional users.

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : I₂Pb

Molecular Weight : 461,01 g/mol

CAS-No.	EC-No.	Classification	Concentration
10101-63-0	233-256-9	Repr. 1A; Acute Tox. 4; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H302, H332, H360, H373, H410 T, N, Repr.Cat.1, Repr.Cat.3, R61 - R20/22 - R33 - R62 - R50/53	-

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

Flush eyes with water as a precaution.

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 dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. 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.

Light sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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

Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : solid

Colour : yellow

Safety data

pH : no data available

Melting point : 402 °C - lit.

Boiling point : 954 °C - lit.

Flash point : not applicable

Ignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Vapour pressure : 1 hPa at 479 °C

Density : 6,16 g/mL at 25 °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. - Hydrogen iodide, Lead oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

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