

MATERIAL SAFETY DATA SHEET

POTASSIUM MERCURIC IODIDE

MSDS CAS: 7783-33-7

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: POTASSIUM MERCURIC IODIDE

CAS#: 7783-33-7

Synonym: Potassium tetraiodomercurate (II)

Chemical Name: POTASSIUM MERCURIC IODIDE

Chemical Formula: Not available.

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification:

OXFORD LAB FINE CHEM LLP

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Section 2: Composition and Information on Ingredients

Substances: Potassium tetraiodomercurate (II)

Molecular Formula: HgI₄K₂

Molecular Weight: 786.40

CAS#: 7783-33-7

Section 3: Hazards Identification

Classification of the substance or mixture

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Acute toxicity, dermal (Category 1, 2)

Acute toxicity, oral (Category 1, 2)

Specific target organ toxicity, repeated exposure (Category 2)

Acute toxicity, inhalation (Category 1, 2)

Hazardous to the aquatic environment, long-term hazard (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Very toxic by inhalation, in contact with skin and if swallowed.

Danger of cumulative effects.

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

Other hazards : None.

Section 4: First Aid Measures

Description of first aid measures:

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

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

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

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

Most important symptoms and effects, both acute and delayed:

Symptoms relating to use: No data available.

Indication of any immediate medical attention and special treatment needed:

General information: No data available.

Section 5: Fire and Explosion Data

Extinguishing media:

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

Hazardous combustion products : No data available

Advice for fire-fighters:

Protection against fire : Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. 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.

Section 7: Handling and Storage

Precautions for safe handling

Handling : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities:

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.

Recommended Storage Temperature : Store below 30°C

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

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

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin 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.

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 work place.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee 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).

Control of environmental exposure: Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance Form	: Yellow to orange hygroscopic crystals or powder or granules
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: No data available.
e) Melting point/range	: No data available.
f) Initial boiling point andboiling range	: No data available.
g) Autoignition temperature	: No data available.

Section 9: Physical and Chemical Properties (Continued)

h)Flammability (solid, gas)	: No data available.
i)Upper/lower flammability or explosive limits	: No data available.
j)Flash point [°C]	: No data available.
k)Evaporation rate	: No data available.
l)Vapour pressure	: No data available.
m)Vapour density	: No data available.
n)Relative density,	: No data available.
o)Solubility in water	: No data available.
p)Viscosity	: No data available.
q)Explosive properties	: No data available.
r)Oxidising properties	: No data available.
s)Decomposition temperature	: No data available.
t)Autoignition temperature	: No data available.
u)Molecular Weight	: No data available.

Section 10: Stability and Reactivity Data

Reactivity : No data available.

Chemical stability : No data available.

Possibility of hazardous reactions : No data available.

Conditions to avoid : No data available.

Incompatible materials : Strong oxidizing agents.

Hazardous decomposition products

Other decomposition products

Other decomposition products-No data available.

Section 11: Toxicological Information

Information on toxicological effects

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

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

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

No data available.

Section 12: Ecological Information

Toxicity: No data available.

Persistence - degradability : No data available.

Bioaccumulative potential : No data available.

Mobility in soil : Not established.

Results of PBT and vPvB assessment : No data available.

Other adverse effects : No data available.

Section 13: Disposal Considerations

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated.

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

No data available.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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