

SAFETY DATA SHEET
in accordance with Community Regulation 2006/1907 EC REACH
Reviewed on 10/03/2009

Mercury - Quecksilber

I- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Mercury

Application: Polarography, porosimetrics, dental amalgam, manufacture of UV tubes and lamps...

Supplier: OPHRAM Laboratoire 34,36 rue Charles Martin 69190 ST FONS(France)
Phone: 00 472 89 16 16- mail contact@ophram.com

II – HAZARD IDENTIFICATION.

2.1: Very toxic by inhalation

2.2: Dangerous for environment

III – Composition/Information on ingredients

<u>chemical name:</u>	<u>CAS- number</u>	<u>%</u>	<u>hazard classification</u>
Hg	7439-97-6	100	Repr Cat2 -R61/ T+:R26-R48/23 N: 50/53

IV – FIRST-AID MEASURES.

Eye contact: Rinse immediatly with plenty of water, seek medical advice if necessary.

Skin contact: Remove contaminated clotting, rinse immediatly with plenty of water or shower, wash skin with soap and water, seek medical advice if necessary.

Inhalation: Move into fresh air and keep at rest under observation. Seek medical advice.

Ingestion: Do not induce vomiting; do not drink; rinse mouth and take immediatly to hospital

V – FIRE-FIGHTING MEASURES

Extinguishing media: All

High temprature increases vaporization of the mercury

Specific hazards: Smoke may contain toxic mercury. Avoid inhaling smoke

VI –ACCIDENTAL RELEASE MEASURES.

Personal precautions: In case of vapours development, wear appropriate respiratory protection

Environmental Precautions: Do not allow product to contaminate ground, drains and rivers. prevent the spillage from reaching the outlets.

Methods for cleaning up: clean up spillage. Vacuum remainder with special equipment. Cover remainder with zinc/copper powder or special absorbents, then carefully collect. Measure mercury vapour concentration.

VII- HANDLING AND STORAGE

Handling Precaution : Keep cool. Ventilation at floor level, use a mask with filter for mercury vapour

Storage: Unbreakable packaging preferred. Keep container tightly closed.

Recommended storage temperature not >25°C.

Avoid contact with halogens and nitric acid

VIII- EXPOSURE CONTROL/PERSONAL PROTECTION.

0.025 mg/m³

Respiratory Protection : When working in areas where exposure limits are exceeded, wear dust mask with approved cartridge for mercury vapours

Hands protection vinyl gloves are to be used

Eyes protection: Safety glasses may be used.

Skin protection : Employees who handle mercury should wash their hands thoroughly with soap and water before eating, smoking or using toilet facilities.

Personal protection: Guard against spillage. Wear protective clothing, gloves, glasses and respiratory protection.

IX – PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: Silver liquid

Odour: Odourless

pH : N.A

Melting point: -39°C

Boiling point : 357°C

Decomposition temperature : N.A

Flash point: N.A

Exposition properties: N.A

Vapour pressure: 1.5×10^{-3} at 20°C

Vapour density: 6,9 (air = 1)

Density: 13.6

Solubility: none:

Other: - non explosive

X- STABILITY AND REACTIVITY

Stability: -

Conditions/materials to avoid: Reacts violently with nitric acid, acetylene, ammoniac, chlorine, avoid contact with aluminium

Hazardous decomposition products: Emits toxic vapours when heated

XI- TOXICOLOGICAL INFORMATION

CMR effects : (Carcinogenicity, Mutagenicity and toxicity for reproduction)

Toxic for reproduction (Category 2) .May cause harm to the unborn child

Inhalation: Sore throat, headache, nausea, coughing: risk of kidney damage.

Skin contact: Redness; risk of kidney damage.

Eye contact: Irritation, redness

ingestion: May cause neurotoxic/nephrotoxic effects
Inhalation: May cause bronchiolitis, pneumonitis pulmonary edema

Effects for prolonged exposure: Chronic mercury poisoning results in nervous irritability, weakness, tremors, gingivitis, erethism and greying of lens of the eye. Medical conditions aggravated: Kidney disorders.

XII- ECOLOGICAL INFORMATION

Mobility Water insoluble

Dégradability: -

Ecotoxicity: High, very toxic for fish. LC50(Labeo rohita 96hours) 0.018mg/l
LC50 (inhalation rabbit for 2 hours 27mg/m³) 15 days

XIII – DISPOSAL CONSIDERATION.

Dispose of as hasadous waste. Recycle.

XIV-TRANSPORT INFORMATIONS

ADR class 8 - UN number 2809 – Packing group: III. – Label: 8

Ltd: Qty LQ19- Label Ltd qty

IATA: Max Qty/pack: 35 Kg(Passager aircraft and cargo aircraft)



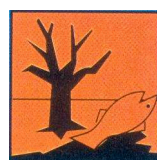
XV- Classification according to communitarian directives 67/548EEC

Régulatory information

Labelling



T+ toxic-



N-Dangerous for the environment

XVI- OTHER INFORMATION

Risk phrases

R61- May cause harm to the unborn child

R26- Very toxic by inhalation

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R48/23:Toxic: Danger of serious damage to health by prolonged exposure through inhalation.

Safety Phrases

S53:Avoid exposure-obtain special instructions before use

S45 In case of accident or if you feel unwell, seek medical advice immediatly (show the label whenever possible).

S60- This material and its container must be disposed of as hazardous

S61- Avoid release to the environment. Refer to special instructions/safety data sheets

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