



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : L 20329
Product Name : LEAD OXIDE RED

Manufacturer / supplier identification
Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact For Information: Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Litharge

CAS-No : 1317-36-8 EC Index No. : 082-001-00-6
Molar mass : 223.19 EC –No. : 215-267-0
Molecular Formula : Opb

3. **HAZARDS IDENTIFICATION** : May cause harm to the unborn child. Possible risk of impaired fertility. Also harmful by inhalation and if swallowed. Danger of cumulative effects.

Restricted to professional users.

Attention-Avoid exposure-obtain special instructions before use.

4. **FIRST AID MEASURES** : After skin contact : wash off with plenty of water.
Remove contaminated clothing.

After eye contact : rinse out under running water.

After inhalation: fresh air. If necessary , apply mouth-to-mouth resuscitation or mechanical ventilation.

After swallowing : make victim drink plenty of water. Sodium sulfate (1 table spoon/1/4 l water). Gastric lavage.



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5. FIRE – FIGHTING MEASURES: Suitable extinguishing media : .
In adaption to materials stored in the immediate neighbourhood.
Special risks : None.
Other information : Non-combustible.

6. ACCIDENTAL RELEASE MEASURES: Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Avoid generation of dusts. Clean up affected area.

7. HANDLING AND STORAGE: Handling : No further requirements.
Storage : Tightly closed . Away from combustible substances.
At + 15° C to + 25° C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : Required when dusts are generated.

Eye protection : Required

Hand protection : Required

Industrial hygiene : Change contaminated clothing. Apply skin-protective barrier cream. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid

Colour : Yellow

Odour : Odourless

pH value at 50g/l H₂O (20°C) : 5-6 (slurry)

Melting temperature : 890 ° C



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Boiling temperature : 1470 ° C
Ignition temperature : Not available
Flash point : Not available
Explosion limits lower : Not available
Upper : Not available
Relative vapour density : Not available
Density (20°C) : 9.6 g/cm³
Bulk density : Near 3500-3700 kg/m³
Solubility in wate(20°C) : Insoluble

10. STABILITY AND REACTIVITY : Conditions to be avoided : No information available.

Substance to be avoided : Aluminium, alkali metals, metals (in powder form), carbides, boron, hydrides, halogens/alkenes, performic acid, silanes. Vegetable/ animal oils, sulfur oxides, hydrogen peroxide.
Hazardous decomposition products :No information available.

Further information : Oxidizing agent.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Quantitative data on the toxicity of this product are not available.

Sub acute to chronic toxicity : Animal experiments suggest that the substance may lead to an impairment of reproductive performance also in man.

Further toxicological information : The following applies to lead compounds in general: Due to the poor absorbability via the gastrointestinal tract, only very high doses lead to acute cases of intoxication. After a latency period of several hours, metallic taste, nausea, vomiting, and colics occur, in many instances followed by shock. Chronic uptake causes peripheral muscular weakness (“drop-wrist”), anaemia, and central –nervous disorders. Women of child-bearing age should not be exposed to the substance over longer periods of time (observe critical threshold).



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Further data: Further hazardous properties cannot be excluded.

12. ECOLOGICAL INFORMATION

Ecotoxic effects:

The following applies to lead compounds in general : biological effects : toxic for aquatic organisms (calc, as free lead) : fish : lethal from 1g/l up ; *S. gairdnerii*:LC₅₀: 0.14 mg/l /96h: *L.idus* LC₅₀ : 546 mg/l ; fish test LC₅₀ : 236 mg/l; bacteria : *Ps. Putida* toxic from 1.8 mg/l up ; algae :*Sc. quadricauda* toxic from 3.7 mg/l up; *M. aeruginosa* 0.45 mg/l; protozoa : *E. sulcatum* toxic from 0.02 mg/l up ; *U. parduczi* toxic from 0.07 mg/l up ; arthropods : *D.magna* LC₅₀ : 2.5 mg/l ; hazard for drinking water.

Further ecologic data : Do not allow to enter waters, waste water, or soil.

13. DISPOSAL METHOD

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws & regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .

Disposal in compliance with official Regulations. Handle contaminated packaging as In the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.



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14. TRANSPORT INFORMATION

GGVS/GGVE class : 6.1 Number and letter : 62c
Transport over land ADR/RID class : 6.1 Number and letter : 62c
ADR/RID & GGVS/GGVE Name of materia : LEAD OXIDE

Sea transport IMDG
IMDG class : 6.1 UN-No.: 2291 Packaging group: 111
EMS : 6.1-04 MFAG : 110, 4.3
Correct technical name : LEAD COMPOUND,SOLUBLE,

Air transport ICAO-TI ICAO/IATA class: 6.1 UN/ID-No.: 2291 Packaging group : 111
and IATA-DGR Correct technical name : LEAD COMPOUND,SOLUBLE,

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic

R- Phrases : 61-62-20/22-33 May cause harm to the unborn child.
Possible risk of impaired fertility.Also
harmful by inhalation and if swallowed.
Danger of cumulative effects.

S-phrases : 53-45 Avoidexposur-obtain special instructions
Before use. In case of accident or if you
Feel unwell,seek medical advice
imediately(show the label where
possible).

EC-No.: 233-084-4 EC label

Water pollution class : 1 (Slightly polluting substance) (Own classification)



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16. OTHER INFORMATION

Reason for alteration :

Change in labelling.

The information contained here in is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
