



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

## LEAD (II,IV) OXIDE MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product form : Substance  
CAS-No. : 1314-41-6  
Product code : 32040  
Synonyms : Lead Oxide Red

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Laboratory Reagent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem  
Plot No.1022, Modern Industrial Estate,  
Bahadurgarh-124507, India  
info@technopharmchem.com

#### 1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Oxidizing solids, H272  
Category 2  
Acute toxicity (oral), H302  
Category 4  
Acute toxicity (inhal.), H332  
Category 4  
Reproductive toxicity, H360DF  
Category 1A  
Specific target organ  
Toxicity – repeated H373  
Exposure, Category 2  
Hazardous to the aquatic H410  
Environment – chronic  
Hazard, Category 1

Full text of classification categories and H statements: see section 16



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

Classification according to directive 67/548/EEC or 1999/45/EC

Repr.Cat.1; R61

Repr.Cat.3; R62

O; R8

Xn; R20/22

N; R50/53

R33

Full text of R-phrases: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazard statements (CLP)	:	H272 – Oxidizer H302+H332 – Harmful if swallowed or if inhaled H360DF – May damage the unborn child. Suspected of damaging fertility. H373 – May cause damage to organs through prolonged or repeated exposure. H410 – Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	:	P201 – Obtain special instructions before use P220 – Keep/store away from clothing/... /Combustible materials P273 – Avoid release to the environment P280 – Wear protective gloves/protective clothing/eye protection/face protection P308+P313 – IF exposed or concern: Get medical advice/attention P501 – Dispose of contents/container to...

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Name	:	Lead (II,IV) Oxide
CAS No	:	1314-41-6

Full text of R- and H- phrases: see section 16

### 3.2. Mixtures

Not applicable

Full text of H- and EUH-statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

First – aid measures after inhalation	:	Remove person to fresh air and keep Comfortable for breathing. If you feel unwell, seek medical advice.
First – aid measures after skin contact	:	Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
First – aid measures after eye contact	:	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First – aid measures after ingestion	:	Rinse mouth. Call a doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	:	May damage the unborn child. Suspected of damaging fertility. Causes damage to organs through prolonged or repeated exposure.
Symptoms/injuries after inhalation	:	Harmful if inhaled.
Symptoms/injuries after ingestion	:	Harmful if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media	:	dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	:	Do not use a heavy water steam.

### 5.2. Special hazards arising from the substance or mixture

Explosion hazard	:	Heating may cause a fire or explosion.
------------------	---	----------------------------------------

### 5.3. Advice for firefighters

Protection during firefighting	:	Do not attempt to take action without suitable protective equipment.
--------------------------------	---	----------------------------------------------------------------------

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	:	Evacuate unnecessary personnel.
----------------------	---	---------------------------------

#### 6.1.2. For emergency responders

Protective equipment	:	Use personnel protective equipment as required.
----------------------	---	-------------------------------------------------

### 6.2. Environmental precautions

Very toxic to aquatic life with long lasting effects.



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clear up rapidly by scoop or vacuum.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.  
Hygiene measures : Do not eat, drink or smoke when using this product.  
Wash... thoroughly after handling.

### 7.2. Conditions for safe storage, including any compatibilities

Storage conditions : Store in original container. Keep container tightly closed.  
Store in a dry place.

### 7.3. Specific end use (S)

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Wear respiratory protection

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Color : orange red  
Odor : odorless  
Odor threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting Point : 500°C  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (Solid, gas) : No data available  
Vapor pressure : No data available



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Density	:	9.1 g/cm <sup>3</sup>
Solubility	:	Water: Insoluble in water
Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Explosive limits	:	No data available

### 9.2. Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical Stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity	:	Oral: Harmful if swallowed. Inhalation: Harmful if inhaled.
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	May damage the unborn child. Suspected of damaging fertility.
Specific target organ toxicity (single exposure)	:	Not classified

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.  
Additional information : There are potential chronic health effects to consider.  
Aspiration hazard : Not classified  
Potential adverse human health effects and symptoms : Harmful if swallowed

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology – water : Very toxic to aquatic life.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bio accumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT AND vPvB assessment

#### LEAD (II,IV) OXIDE (CAS No.1314-41-6)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Product/packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN Number

ADR/RID: - 1479

IMDG: - 1479

IATA: - 1479

### 14.2. UN proper shipping name

ADR/RID : LEAD (II,IV) OXIDE

IMDG : LEAD (II,IV) OXIDE

IATA : lead (II,IV) oxide

### 14.3. Transport hazard class (es)

ADR/RID: - 5.1

IMDG: - 5.1

IATA: - 5.1



#### 14.4. Packaging group

ADR/RID: - II

IMDG: - II

IATA: - II

#### 14.5. Environmental hazards

ADR/RID: yes

IMDG Marine pollutant: yes

IATA: no

#### 14.6. Special precautions for user

No data available

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all local, regional, national and/or international regulations are observed.

#### 15.2 Chemical safety Assessment

For this product a chemical safety assessment was not carried out.

### SECTION 16: OTHER INFORMATION

#### Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Carc.	Carcinogenicity
H272	Oxidizer.
H302	Harmful if swallowed.
H302 + H332	Harmful if swallowed or if inhaled
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.