



**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) NITRATE 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. : 10099-74-8  
Product code : 32038, 32039

#### 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  
T +91 11 23646422  
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]

Oxidising Solids, H272  
Category 2  
Acute toxicity (oral), H302  
Category 4  
Acute toxicity (inhal.), H332  
Category 4  
Reproductive toxicity, H360  
Category 1A  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410



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

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

Repr.Cat.1; R61

Repr.Cat.3; R62

O; R8

Xn; R20/22

Xi; R41

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 - Oxidiser

H302+H332 - Harmful if swallowed or if inhaled

H360 - May damage fertility of the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

H410 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: P220 - Keep/Store away from combustible materials

P273 - Avoid release to the environment

P308+P313 - IF exposed or concerned: Get medical advice/attention

P501 - Dispose of contents/container to ...

#### 2.3. Other hazards

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Name

: Lead (II) Nitrate

CAS-No.

: 10099-74-8

#### 3.2. Mixtures

Not applicable

## 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

: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.



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- 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 : 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**

No additional information available

### **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**

No additional information available

#### **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 personal protective equipment as required.
- Emergency procedures : Stop release

#### **6.2. Environmental precautions**

Toxic to aquatic life with long lasting effects.

#### **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.
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### 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 appropriate mask.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	:	Solid
Color	:	White crystalline
Odor	:	Odourless
Odor threshold	:	No data available
pH	:	3 - 4
Relative evaporation rate (butylacetate=1)	:	No data available
Melting Point	:	205°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
Relative vapor density at 20°C	:	11
Relative density	:	No data available
Density	:	4.53 g/cm <sup>3</sup>
Solubility	:	Water: 50 (gm in 100 gm of water)



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Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing 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

No additional information available

### 10.2. Chemical Stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Air contact. Direct sunlight. Moisture

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## 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 pH: 3 - 4
Serious eye damage/irritation	:	Not classified pH: 3 - 4
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	May damage fertility or the unborn child.
Specific target organ toxicity (Single exposure)	:	Not classified
Specific target organ toxicity	:	May cause damage to organs through prolonged or repeated exposure.
Additional information	:	There are potential chronic health effects to consider
Aspiration hazard	:	Not classified



