



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: webcil@wbcil.com

Website: www.wbcil.com

Section 1 - Chemical Product and Company Identification

1.1 Product Name: Sucoferric Oxyhydroxide

1.2 Product Code: SFONL

1.3 Relevant identified uses of the substance or mixture and uses advised against Identified uses:
Pharmaceutical active ingredient for treating hyperphosphatemia in chronic kidney disease patients.

1.3 Company Identification:

WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town, Kolkata – 700 089, India.

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Fax: +91 33 2574 7410

Website: www.wbcil.com

Email: webcil@wbcil.com

Emergency Telephone No.: +91 9874356081

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture Classification:

2.1.1 Hazard Classification

Skin Irrit. 2 (90.5%)

Eye Irrit. 2 (90.5%)

STOT SE 3 (90.5%)

2.2 Signal words:

Warning

2.3 Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

2.4 Precautionary statements:

Prevention

- P261: Avoid breathing dust, fumes, gas, mist, vapours, or spray.
- P264: Wash hands and exposed skin thoroughly after handling.
- P264+P265: Wash hands and skin contact areas thoroughly after handling. Do not touch eyes before washing hands.
- P271: Use only outdoors or in a well-ventilated area.



- P280: Wear protective gloves, protective clothing, eye protection, and face protection.

Response

- P302+P352: If on skin, wash thoroughly with plenty of water.
- P304+P340: If inhaled, move to fresh air and keep comfortable for breathing.
- P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P312: Call a Poison Control Centre or a doctor if you feel unwell.
- P319: Seek medical attention if feeling unwell.
- P321: Specific treatment may be required (refer to product-specific SDS or medical guidelines).
- P332+P317: If skin irritation occurs, seek medical attention.
- P337+P317: If eye irritation persists, seek medical attention.

Storage

- P362+P364: Remove contaminated clothing and wash before reuse.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

Disposal

- P501: Dispose of contents and container in accordance with local, regional, national, and international regulations.

2.5 Potential Acute Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

2.6 Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

2.7 Carcinogenic Effects:

Not Available

2.8 Mutagenic Effects:

Not Available

2.9 Teratogenic Effects:

Not Available

2.10 Developmental Toxicity:

Not Available

2.11 Pictogram:

**2.12 HMIS Rating:**

Health	2
Flammability	0
Physical Hazard	0
Personal protection	E

HMIS RATINGS (0-4)**Section 3 - Composition / Information on Ingredients****3.1 Chemical Name:** Sucoferric Oxyhydroxide**3.2 Molecular Formula:** C₁₂H₂₉Fe₅Na₂O₂₃**3.3 Molecular Weight:** 866.5 g/mol**3.4 Synonym:** Saccharated ferric oxide, Iron sugar**3.5 CAS Number:** 8047-67-4**3.6 EC Number:** 232-464-7**Section 4 - First Aid Measures****4.1 Description of first-aid measures:****4.1.1 General advice**

Consult a physician. Show this safety data sheet to the doctor. Consult a pattendance

4.1.2 If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration.

4.1.3 Skin

contact wash with plenty of soap and water.

4.1.4 Eye

Rinse with plenty of water

4.1.5 If swallowed

Never give anything by mouth to an unconscious person. Rinse Mouth with water.

4.2 Most important symptoms and effects, both acute and delayed:



No data available.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

Section 5 - Fire-Fighting Measures

5.1 Flammability of the Product:

Non-flammable.

5.2 Auto-Ignition Temperature:

Not applicable.

5.3 Flash Points:

Not applicable.

5.4 Flammable Limits:

Not applicable.

5.5 Products of Combustion:

Not available.

5.6 Fire Hazards in Presence of Various Substances:

Not applicable.

5.7 Explosion Hazards in Presence of Various Substances:

5.7.1 Risks of explosion of the product in presence of mechanical impact:

Not available.

5.7.2 Risks of explosion of the product in presence of static discharge:

Not available.

5.8 Fire Fighting Media and Instructions:

Wear a self-contained breathing apparatus and chemical protective clothing.

5.9 Special Remarks on Fire Hazards:

Toxic fumes.

5.10 Special Remarks on Explosion Hazards:

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Section 6 - Accidental Release Measures

6.1 Personal precautions:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation

6.2 Environmental precautions:



Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant

6.3 Methods and materials for containment and cleaning up:

Not Available

6.3.1 Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

6.3.2 Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7 - Handling and Storage

7.1 Precautions for handling:

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

7.2 Storage:

Store in a closed container at room temperature, away from heat, moisture & direct light.

Section 8 - Exposure Controls / Personal Protection

8.1 Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2 Personal Protection:

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved / certified respirator or equivalent. Gloves.

8.3 Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

8.4 Exposure Limits:

TWA: 1 (mg/m³) from ACG IH Consult local authorities for acceptable exposure limits.



Section 9 - Physical and Chemical Properties

Appearance	:	Fine Powder
Odour	:	Odourless
Color	:	Brown
Melting point/Freezing point	:	No data available.
Boiling point/initial boiling point/boiling range	:	No data available.
Flammability	:	Non-flammable
Lower/Upper explosion limit	:	No data available.
Flash Point	:	No data available.
Auto-ignition temperature	:	No data available.
Decomposition temperature	:	No data available.
Kinematic viscosity	:	No data available.
Partition coefficient n-octanol/water	:	No data available.
Density/relative density	:	No data available.
Relative vapour pressure	:	No data available.
Particle characteristics	:	No data available.
Solubility	:	Soluble in most inorganic acids, insoluble in water
Vapour Pressure (mm Hg)	:	Not applicable
pH	:	5.5 – 7.0

Section 10 - Stability and Reactivity

10.1 Stability:

The product is stable under normal conditions.

10.2 Incompatibilities with other material:

Acids, strong oxidizers.

10.3 Hazardous Polymerization:

Carbon dioxide (CO₂), carbon monoxide.

10.4 Corrosivity: Non-corrosive in presence of glass.

Section 11 - Toxicological Information

11.1 Routes of Entry:

Inhalation. Ingestion.

11.2 Toxicity to Animals:

LD₅₀, 180 mg/kg (intravenous, mouse)

LDLo, 150 mg/kg (intravenous, rabbit)

11.3 Chronic Effects on Humans:

Not available.

11.4 Other Toxic Effects on Humans:



Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

11.5 Special Remarks on Toxicity to Animals:

Not available.

11.6 Special Remarks on Chronic Effects on Humans:

Not available

11.7 Special Remarks on other Toxic Effects on Humans:

11.7.1 Skin:

Contact may cause irritation or rash, particularly with moist skin.

11.7.2 Eyes:

Dust may cause irritation (abraisin) by mechanical action and cause redness, and tearing.

11.7.3 Inhalation:

Inhalation high concentrations of dust may cause nasal or lung irritation.

11.7.4 Ingestion:

Ingestion can produce gastrointestinal tract irritation. Can cause diarrhoea.

Section 12 - Ecological Information

12.1 Ecotoxicity:

Not available.

12.2 BOD5 and COD:

Not available.

12.3 Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

12.4 Toxicity of the Products of Biodegradation:

The product of degradation is more toxic.

12.5 Special Remarks on the Products of Biodegradation:

Not available.

Section 13 - Disposal Considerations

Product related considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Contaminated packaging

Dispose of as unused product.



Section 14 - Transport Information

14.1 D O T Classification:

Not a DOT controlled material

14.2 Air transport Goods:

Nonhazardous/non dangerous as per IATA DGR.

14.3 Special Provision for Transport:

Not applicable

14.4 IATA Specification:

Non-dangerous, non-hazardous

14.5 DOT AS PER IATA REGULATION SAFE FOR CARRAGE, NONHAZARDOUS AND NON-RESTRICTED. NO SPECIAL LABELLING OR TRANSPORT MEASURE HAVE BEEN IDENTIFIED. THIS IS NOT REGULATED AS PER IATA REGULATION



Section 15 - Regulatory Information

15.1 Federal and State Regulations:

TSCA 8(b) inventory: Sucoferric Oxyhydroxide

15.2 Other Regulations:

EINECS:

This product is on the European Inventory of Existing Commercial Chemical Substances.

15.3 WHMIS (Canada):

Not controlled under WHMIS (Canada).

15.4 DSCL (EEC):

This product is not classified according to the EU regulations. Not applicable.

15.5 HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

15.6 Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved / certified respirator or equivalent.

Splash goggles.



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Section 16 - Other Information

Disclaimer: This material safety data sheet is provided as an information resource only. WEST BENGAL CHEMICAL INDUSTRIES LIMITED believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.

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