



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

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

Email: [wbcil@wbcil.com](mailto:wbcil@wbcil.com) Website: [www.wbcil.com](http://www.wbcil.com)

## Section 1 - Chemical Product and Company Identification

**MSDS Name:** Ferric Derisomaltose

**Product Code:** FDM2625

**Company Identification:**

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## Section 2 - Composition / Information on Ingredients

**Molecular Weight:** 562.299 gm/mol

Ingredient Name	CAS Number	Molecular formula
Ferric Derisomaltose	1345510-43-1	$C_{18}H_{34}FeO_{16}^{+3}$

## Section 3 - Hazards Identification

POTENTIAL ACUTE HEALTH EFFECTS	: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant),of ingestion, of inhalation.
POTENTIAL CHRONIC HEALTH EFFECTS	: Hazardous in case of skin contact (irritant).
CARCINOGENIC EFFECTS	: No data available.
MUTAGENIC EFFECTS	: No data available.
TERATOGENIC EFFECTS	: No data available.
DEVELOPMENTAL TOXICITY	: No data available.



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### Section 4 - First Aid Measures

GENERAL ADVICE	:	Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell (show the label where possible).
IF INHALED	:	When symptoms occur: Go into open air and ventilate suspected area. Seek medical attention.
SKIN CONTACT	:	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Seek medical attention.
EYE CONTACT	:	Rinse thoroughly with plenty of water for 15 minutes and consult a physician.
IF SWALLOWED	:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5 - Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA	:	Water spray, dry chemical, foam, carbondioxide.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	:	Carbon oxides, nitrogen oxides (NO <sub>x</sub> ), Iron oxides.
ADVICE FOR FIREFIGHTERS	:	Wear self-contained breathing apparatus for fire-fighting if necessary.
FIRE EXTINGUISHING MEDIA	:	Use fire-extinguishing media appropriate to the surrounding fire SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
FURTHER INFORMATION	:	No data available.

### Section 6 - Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES	:	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
ENVIRONMENTAL PRECAUTIONS	:	Do not let product enter drains.
METHODS AND MATERIALS FOR CONTAINMENT & CLEANING UP	:	Pick up and arrange disposal without creating dust. Sweep up and keep in suitable, closed containers for disposal.



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## Section 7 - Handling and Storage

PRECAUTIONS FOR SAFE HANDLING	:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES	:	Store in original container. Store in a dry, well-ventilated place. Comply with applicable regulations.
Storage: 2-8°C Refrigerator		

## Section 8 - Exposure Controls / Personal Protection

APPROPRIATE ENGINEERING CONTROLS	:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
EYE/FACE PROTECTION	:	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
SKIN PROTECTION	:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
BODY PROTECTION	:	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the amount of the dangerous substance at the specific workplace.
EXPOSURE LIMITS	:	TWA: 1 STEL: 2 (mg(Fe)/m ) [United Kingdom (UK)] TWA: 1 (mg(Fe)/m) from MSHA standard. Consult local authorities for acceptable exposure limits.



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### Section 9 - Physical and Chemical Properties

Appearance form	:	Free flowing powder
Color	:	Brown
Odour	:	No data available
Solubility	:	Highly soluble in water and dissolves in hot mineral acids
Molecular weight	:	235gm/mol
pH (5% w/v aqueous solution)	:	5.5 – 8.0
Other safety information	:	No data available

### Section 10 - Stability and Reactivity

Stability	:	Stable under ordinary conditions of use and storage. Reduced to ferrous salt by exposure to light. Very deliquescent; forms a solution on prolonged exposure to air.
Hazardous Decomposition Products	:	Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.
Hazardous Polymerization	:	Iodides, Acacia preparation and tannins.
Incompatibilities	:	
Conditions to avoid	:	Heat, Light, moisture.

### Section 11 - Toxicological Information

Acute Toxicity	:	No Data Available
Skin corrosion/inhalation	:	No Data Available
Serious eye damage/eye irritation	:	No Data Available
Respiratory or skin sensitization	:	No Data Available
Germ Cell Mutagenicity	:	No Data Available
Carcinogenicity	:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Sign & Symptoms of Exposure	:	Overdose of iron compounds may have a corrosive effect on the gastrointestinal mucosa and be followed by necrosis, perforation, and stricture formation. Several hours may elapse before symptoms that can include epigastric pain, diarrhea, vomiting, nausea, and hematemesis occur. After apparent recovery a person may experience metabolic acidosis, convulsions, and coma hours or days later. Further complications may develop leading to acute liver necrosis that can result in death due to hepatic coma.



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## Section 12 - Ecological Information

ROUTES OF ENTRY	:	Inhalation, Ingestion.
ENVIRONMENTAL TOXICITY	:	This material is expected to be slightly toxic to aquatic life.
PERSISTANCE & DEGRADABILITY	:	No data available.
TOXICITY OF THE PRODUCTS OF BIODEGRADATION	:	No data available.
SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION.	:	Not Available
SPECIAL REMARKS ON THE TOXICITY OF ANIMALS	:	Lethal Dose/Conc: LD [Rat] - Route: Oral; Dose: >2000 mg/kg

## Section 13 - Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14 - Transport Information

**DOT Classification** Not a DOT controlled material  
**Air transport Goods** Nonhazardous/non dangerous as per IATA DGR.  
**Special Provisions for Transport** Not applicable.  
**IATA Specification** Non-dangerous, non-hazardous.  
**DOT (Pictograms)**  
AS PER IATA REGULATION SAFE FOR CARRAGE, NON-HAZARDOUS AND NON-RESTRICTED.  
NO SPECIAL LABELLING OR TRANSPORT MEASURE HAVE BEEN IDENTIFIED.  
THIS IS NOT REGULATED AS PER IATA REGULATION



## Section 15 - Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

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



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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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