



MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Product Name Granular Ferric Oxide
Product ID 2210, 2211, 2212, 2213

12/01/12

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Granular Ferric Oxide
SYNONYMS: n/a
PRODUCT CODES: 2210, 2211, 2212, 2213
MANUFACTURER: SR Aquaristik
ADDRESS: 902 S. Randall Rd. Suite C #308, St. Charles, IL 60174
EMERGENCY PHONE: 630-524-4612
EMAIL CONTACT: info@sraquaristik.com
CHEMICAL NAME: Bacterial Enzyme **CHEMICAL FAMILY:** Bacterial
CHEMICAL FORMULA: Fe₂O₃

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS None known.
COMPONENTS All ingredients not precisely identified are proprietary.

OTHER INGREDIENTS:	Ferric Oxide
CAS NO.	1309-37-1
% WT	@
OVER 3%	yes

SARA 313 REPORTABLE no

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance: Brown Granules
Odor: none

POTENTIAL HEALTH EFFECTS

EYES: Slight Irritation may occur
SKIN: Slight Irritation may occur
INGESTION: Slight irritation may occur
INHALATION: This substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

	ACUTE AND CHRONIC HEALTH HAZARDS:	None known.
	MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	None known.
CARCINOGENICITY		
	OSHA:	n/a
	IARC:	n/a
	ACGIH:	n/a
	OTHER:	n/a
	NTP:	n/a

SECTION 4	FIRST AID MEASURES
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EYES:	Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open. Consult physician if redness or irritation persists.
SKIN:	Wash with soap and water. Cold water may be used. If irritation develops seek medical attention
INGESTION:	Do not induce vomiting. Loosen tight clothing. Seek medical attention.
INHALATION:	Allow victim to rest in a well ventilated area. Seek medical attention.

SECTION 5	FIRE-FIGHTING MEASURES
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SUITABLE EXTINGUISHING MEDIA	any
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS	none
SPECIAL EXPOSURE HAZARDS IN A FIRE	none
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS	none
OTHER INFORMATION	none

SECTION 6	ACCIDENTAL RELEASE MEASURES
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PERSONAL PRECAUTIONS	Follow protective measures provided in sections 5 and 8
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**ENVIRONMENTAL PRECAUTIONS
METHODS FOR CLEAN UP**

Keep away materials and products which are incompatible with product specified in section 10
Rinse spilled product to dilute areas of direct contact.
Wear suitable clothing and protective equipment
Recover or mop up excess material and reuse wherever possible.
Absorb unusable product with suitable material and dispose of in accordance with Section 13.

SECTION 7

HANDLING AND STORAGE

HANDLING Maintain good housekeeping practices
Wash hands after use
Avoid contact with potable water or food

STORAGE Keep in a dry place
Keep away from direct sunlight
Keep away from heat
Keep away from incompatible products specified in section 10
Keep only in the original container at temperature not exceeding 40C (104F)

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: n/a
VENTILATION: Local exhaust, mechanical exhaust recommended
RESPIRATORY PROTECTION: Dust filter mask recommended
EYE PROTECTION: ANSI approved safety glasses with side protection or goggles.
SKIN PROTECTION: Wear suitable protective clothing
HYGIENIC PRACTICES: Handle in accordance with good hygiene and safety practice.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

APPEARANCE: Brown Granules

ODOR: none

IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION

pH: n/a

BOILING POINT Decomposes

FLASH POINT n/a

MELTING POINT 2849F

FLAMMABILITY (SOLID, GAS) non flammable

EXPLOSIVE PROPERTIES non-explosive

VAPOR PRESSURE: n/a

VAPOR DENSITY: n/a

BULK DENSITY n/a

EVAPORATION RATE: n/a

SOLUBILITY IN WATER: insoluble

DECOMPOSITION n/a
TEMPERATURE
VISCOSITY: n/a
SPECIFIC GRAVITY 5.24

SECTION 10

STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use.
CONDITIONS TO AVOID: none
INCOMPATIBILITY (MATERIAL TO AVOID): avoid contact with strong oxidizing chemicals
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: none known
HAZARDOUS POLYMERIZATION: n/a
CONDITIONS TO AVOID: n/a

SECTION 11

TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

ACUTE ORAL TOXICITY n/a
ACUTE INHALATION TOXICITY causes severe irritation of the respiratory tract
ACUTE DERMAL IRRITATION/CORROSION none known
SKIN IRRITATION causes slight irritation
EYE IRRITATION causes severe irritation of the eyes
SENSITIZATION none
CHRONIC TOXICITY n/a
CHRONIC TOXICITY/CARCINOGENIC DESIGNATION: Prolonged or repeated skin contact may produce severe irritation or dermatitis.

SECTION 12

ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS: none known
ACUTE TOXICITY: not applicable
MOBILITY: none known
PERSISTENCE AND DEGRADABILITY: none known
BIOACCUMULATIVE POTENTIAL: is not known to accumulate

SECTION 13

DISPOSAL CONSIDERATIONS

WASTE TREATMENT: Dispose of within current local and state regulations.
No special method required.
PACKAGING TREATMENT: Consult federal, state, and local regulations regarding the proper disposal of emptied containers.
RCRA HAZARD CLASS: n/a

SECTION 14**TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION**

PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI) Not Hazardous
HAZARD CLASS: Not Regulated
ID NUMBER: n/a
LABEL: none
STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI) Not Hazardous
HAZARD CLASS: Not Regulated
ID NUMBER: n/a
LABEL: none
STATEMENT:

AIR TRANSPORTATION

PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI) Not Hazardous
HAZARD CLASS: Not Regulated
ID NUMBER: n/a
LABEL: none
STATEMENT:

SECTION 15**REGULATORY INFORMATION**

Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

SECTION 16**OTHER INFORMATION****KEEP OUT OF REACH OF CHILDREN**

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof, SR Aquaristik makes no representation as to the completeness or accuracy of such information and recommendations. SR Aquaristik shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations. You are encouraged to advise anyone working with or exposed to such products of the information contained herein.

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