

# MATERIAL SAFETY DATA SHEET

## General Information

Company's Name: The Chemistry Store.com Inc.  
Company's Address: 1133 Walter Price St Cayce, SC 29033  
Company's Emerg Ph #: 1-800-535-5053 (Infotrak)  
Company's Info Ph #: 1-800-224-1430  
Date MSDS Prepared: 2/1/07

**PRODUCT NAME: Ferrous Sulfate**

## Ingredients/Identity Information

Ingredient: FERROUS SULFATE (CERCLA) Percent: 100 NIOSH (RTECS) Number: NO8510000 CAS Number: 7782-63-0 OSHA PEL: NOT ESTABLISHED ACGIH TLV: NOT ESTABLISHED Other Recommended Limit: NONE RECOMMENDED

## Physical/Chemical Characteristics

Appearance And Odor: BLUE GREEN FINE CRYSTALS - ODORLESS Boiling Point: DECOMPOSES Melting Point: 149F(-WATER Specific Gravity: 1.90 Decomposition Temperature: >572F,>300C Evaporation Rate And Ref: NOT RELEVANT Solubility In Water: 48.6 G/100G @ 122F Viscosity: NOT RELEVANT Corrosion Rate

(IPY): UNKNOWN

## Fire and Explosion Hazard Data

Flash Point: NONE Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS. Special Fire Fighting Proc: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. DO NOT SCATTER SPILLED MATERIAL. Unusual Fire And Expl Hazrds: NOT CONSIDERED FIRE HAZARD OR EXPLOSION HAZARD.

## Reactivity Data

Stability: YES Cond To Avoid (Stability): EXCESSIVE HEAT (TEMPERATURES ABOVE 300C/ 572F), MOISTURE Materials To Avoid: ALKALIES, OXIDIZING AGENTS, SOLUBLE CARBONATES (REACTS IN MOIST AIR TO FORM FERRIC SULFATE).

Hazardous Decomp Products: TOXIC SULFUR OXIDES Hazardous Poly Occur: NO Conditions To Avoid (Poly): NOT RELEVANT

## Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL, MOUSE) IS 1520 MG/KG. Route Of Entry - Inhalation: YES Route Of Entry - Skin: NO Route Of Entry - Ingestion: NO Health Haz Acute And Chronic: TARGET ORGANS: EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE EYE IRRITATION & PAIN. MAY CAUSE MILD SKIN IRRITATION. EXCESSIVE INHALATION OF DUST MAY IRRITATE RESPIRATORY TRACT. INGESTION OF LARGE QUANTITIES MAY CAUSE IRON POISONING, LIVER DAMAGE, COMA & DEATH. CHRONIC- MAY DAMAGE BLOOD VESSELS. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: NONE Signs/Symptoms Of Overexp: IRRITATION, NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, BLACK STOOL, REDNESS OF EYES, PINK URINE, COMA, DEATH Med Cond Aggravated By Exp: PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PROD

## Precautions for Safe Handling and Use

Steps If Matl Released/Spill: FLUSH TO SEWER IF ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE TO REMOVE RESIDUAL CONTAMINATION. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. Waste Disposal Method: DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. Precautions-Handling/Storing: USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED. Other Precautions: KEEP AWAY FROM INCOMPATIBLE MATERIALS.

## Control Measures

Respiratory Protection: NONE SHOULD BE NEEDED. Ventilation: GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS. Protective Gloves: IMPERVIOUS Eye Protection: SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES Other Protective Equipment: CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE. Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. Suppl. Safety & Health Data: REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.