

SA-50^R CHELATED LIQUID IRON

MATERIAL SAFETY DATA SHEET

Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.
PO Box 218, Palmetto, Fla. 34220

Phone: 1-941-722-3285
Chemtrec: 1-800-424-9300

I NOMENCLATURE

Product Name: Chelated LIQUID IRON
Chemical Name: Iron lignosulfonate complexes
Synonyms: Chelated minor element
Chemical Family: lignosulfonate metal chelate

II HAZARDOUS INGREDIENTS (greater than 1%)

Iron in this mixture is combined as lignosulfonate complex and uncombined sulfates.

CAS number is given for ferrous sulfate. heptahydrate

Iron as Fe from FeSO₄ CAS No. 7782-63-0 nominal % as Fe 5.2% OSHA PEL not listed

Carcinogen or potential carcinogen ingredients: NTP no IARC no OSHA no

III PHYSICAL PROPERTIES

Boiling Point: >212°F.

Vapor Pressure: NA

Vapor density: N/A

Solubility In Water: Soluble

Appearance/Odor: Dark brown liquid with musty odor.

Specific Gravity: 1.2

Percent Volatile:(by volume) >70%

Evaporation Rate: Water

Reactivity in Water: Nil, water base, Acidic

IV FIRE AND EXPLOSION DATA

Flash Point: Does not flash

Flammable Limits: Lel N/A Uel N/A

Extinguishing Media: Water base does not support combustion. Use water spray to cool containers.

Special Fire Fighting Procedures: If heated to decomposition fight fire upwind and wear self contained breathing apparatus and protective clothing..

Unusual Fire & Explosion Hazards: May emit toxic smoke and vapors if heated to decomposition.

V FIRST AID

EYE Exposure: Flush eyes for 15 minutes with a gentle stream of water, lift upper and lower lids occasionally while flushing. Remove contact lenses while flushing. Get medical attention.

For SKIN Exposure: Remove contaminated clothing and wash all exposed skin surfaces thoroughly with soap and water. If irritation develops, see a physician.

First Aid for INHALATION: Remove from exposure. If irritation develops, see a physician.

If SWALLOWED: If victim is conscious, immediately give 2 glasses of water and induce vomiting. Followed by bicarbonate of soda in water. Get immediate medical assistance. Never give anything by mouth to an unconscious or convulsing person.

SYMPTOMS of OVEREXPOSURE: Eye irritation, respiratory difficulties, nausea and vomiting and dermal allergic response.

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VI REACTIVITY

Stability: Stable under normal storage conditions.

Conditions to Avoid: Intense heat. Ferrous sulfate decomposes at 300°C

Materials to Avoid: Avoid contact with strong oxidizing agents. Avoid contact with copper and aluminum. Water rinse sprayers after using.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, metallic oxides, oxides of sulfur.

Hazardous Polymerization: Does not Occur.

VII SPILL OR LEAK PROTECTION

Steps To Be Taken If Spilled: If possible, recover and use according to label instructions. Otherwise dike and absorb spill.

Shovel into an approved waste container. Wash impervious surfaces with mild caustic soda solution then wash with soap and water.

Waste Disposal Dispose of in accordance with local, State, and Federal regulations

VIII SPECIAL PROTECTION

Respiratory: Type/Conditions: Where spray mist exposure would occur and/or when exposure limits would be exceeded wear a NIOSH approved respirator with pesticide cartridge.

Ventilation: When application would be made in confined area local exhaust ventilation with mist collection .

Gloves: Impervious gloves if contact with material is unavoidable.

Eye Protection: Safety glasses with side shields or goggles.

Other Protective Equipment: Freshly laundered, body covering work clothing. Do not wear contaminated clothing.

IX SPECIAL PRECAUTIONS

Note; When this product is used in combination with pesticides, the safety precautions for those pesticides must also be followed.

Handling Precautions: Avoid personal contact. Avoid breathing spray mist. Avoid container damage. Do not put leaking or damaged containers in storage.

Storing Precautions: Store in cool well ventilated area away from feed and food. Avoid areas of extreme heat. Do not store near strong oxidizing agents. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: Do not contaminate waters by cleaning equipment or disposal of waste.

X TRANSPORTATION

Packing sizes of 55 gal or less not regulated.

Bulk shipments 400 gal or larger. RQ Other regulated substances, solid, n.o.s. (Ferrous sulfate), 9, NA3077, PG III.

Freight class: Manufactured fertilizer compounds liquid, NOI, NMFC 68140 sub 6

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.