DATE PREPARED: 7/21/99

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

PRODUCT NAME .............. SGS Red Iron Oxide - No. 291
CHEMICAL FAMILY ......... Inorganic Metal Oxide
SYNONYMS ................. Ferric Oxide, Hemitite
OSHA HAZARD COMMUNICATION STATUS
Not hazardous

II. INGREDIENTS

COMPONENTS
Iron (III) Oxide (dust) %a
Essentially 100

OSHA-PEL
None Est.
ACGIH-TLV
None Est.

Note: There is an 8 hour TWA OSHA-PEL of 10 mg/m³ and ACGIH-TLV of 5 mg/m³ for iron oxide fume. (A fume can be defined as an aerosol of solid particles produced by condensation of vaporized materials such as iron metal. In normally accepted usage's, iron oxide pigments would not be present in the form of a fume.)

III. PHYSICAL DATA

APPEARANCE .............. Dry powder
ODOR ...................... None
BOILING POINT .......... Not Applicable
VAPOR PRESSURE .......... Not Applicable
BULK DENSITY .......... 82 lb. per cu. ft.
SOLUBILITY .............. Insoluble

IV. FIRE AND EXPLOSION DATA

FLAMMABILITY ............ Not flammable
FLAMMABLE LIMITS
Lel ...................... Not applicable
Uel ...................... Not applicable
EXTINGUISHING MEDIA .... Not applicable
SPECIAL FIRE FIGHTING PROCEDURES
None
UNUSUAL FIRE & EXPLOSIVE HAZARDS
None

V. REACTIVITY DATA

STABILITY ................. Stable
INCOMPATIBILITY .......... None
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS
None
HAZARDOUS POLYMERIZATION
Will not occur.
VI. HUMAN HEALTH DATA

PRIMARY ROUTE(S) OF EXPOSURE
Eye, Inhalation and Skin contact

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE ACUTE AND CHRONIC
EYE CONTACT .......... May cause irritation and/or blurred vision.
SKIN CONTACT .......... May cause slight irritation.
INHALATION .......... Breathing mist can cause irritation of nasal and respiratory passages. May cause sneezing.

EMERGENCY & FIRST AID PROCEDURES
EYE CONTACT .......... Immediately flush with water for 20 minutes, holding eyelids apart to ensure flushing on the entire eye surface. Call physician immediately.
SKIN CONTACT .......... Wash thoroughly with soap and water.
INHALATION .......... Remove to fresh air. Call a physician.
INGESTION .......... Give several glasses of water. Call a poison center or physician.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Common housekeeping, vacuum or scoop material into a container for reclamation or disposal.

WASTE DISPOSAL METHOD . . . .Material which cannot be reclaimed should be landfilled according to federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in a dry area.

OTHER PRECAUTIONS .......... None

VIII. CONTROL MEASURES

RESPIRATORY PROTECTION . . . .NIOSH approved dust respirator when required for dust.
VENTILATION ............ Local exhaust when required for dust.
PROTECTIVE GLOVES .......... Not required.
PROTECTIVE GLASSES ...... Not required.
OTHER ................. None

WORK/HYGIENE PRACTICES . Wash thoroughly with soap and water before eating, smoking or using washroom. Remove contaminated clothing and wash before re-use.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Material should be kept in a closed container to minimize dust. Keep dry. Avoid breathing dust.
Avoid contact with eyes and skin. Wash thoroughly after handling.

OTHER .................

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