



IRON OXIDE PIGMENTS FOR THE CONSTRUCTION INDUSTRY

P.O. BOX 8288
SPRINGFIELD, ILLINOIS 62791
4050 COLOR PLANT ROAD
SPRINGFIELD, ILLINOIS 62702
WEB: www.solomoncolors.com
E-MAIL: sgs@solomoncolors.com
PH: (800) 624-0261 / (217) 522-3112
FAX: (800) 624-3147 / (217) 522-3145

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, Hemiteite
OSHA HAZARD COMMUNICATION STATUS
Not hazardous

II. INGREDIENTS

Table with 4 columns: COMPONENTS, %, OSHA-PEL, ACGIH-TLV. Row: Iron (III) Oxide (dust), Essentially 100, None Est., 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

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND EXPRESSED OR IMPLIED IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.