

# CONCRETE COLORS

## SOLOMON COLORS

### • Material Safety Data Sheet



#### I. PRODUCT IDENTIFICATION

PRODUCT NAME ..... SGS Concrete Product Colors  
 CHEMICAL FAMILY ..... Inorganic Metal Oxides  
 CHEMICAL NAME ..... Iron (III) Oxide  
 SYNONYMS ..... Ferric Oxide  
 CAS NUMBER..... 1309-37-1, 18624-44-7, 1317-61-9  
 DOT CLASS ..... Not regulated  
 OSHA HAZARD COMMUNICATION STATUS... This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.  
 CHEMICAL FORMULA ..... Fe<sub>2</sub>O<sub>3</sub>, Fe<sub>3</sub>O<sub>4</sub>, Fe<sub>2</sub>O<sub>3</sub>, H<sub>2</sub>O

#### II. INGREDIENTS

<u>COMPONENTS</u> .....	<u>%</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Iron (III) Oxide (dust) .....	100	None Est.	None Est.

#### III. PHYSICAL DATA

APPEARANCE ..... Dry powder  
 COLOR. .... Buff, Tan, Brown, Black, Red  
 ODOR ..... None  
 MELT POINT/FREEZE POINT ..... Not applicable  
 BOILING POINT ..... Not applicable  
 VAPOR PRESSURE ..... Not applicable  
 SPECIFIC GRAVITY ..... 4.2 to 5.5  
 BULK DENSITY ..... 45-75 lb. per cubic ft.  
 SOLUBILITY IN WATER ..... Insoluble  
 % VOLATILE BY VOLUME ..... Nil

#### IV. FIRE AND EXPLOSION DATA

FLASH POINT °F (°C) ..... Not applicable  
 FLAMMABLE LIMITS  
 Lel ..... Not applicable  
 Uel ..... Not applicable  
 EXTINGUISHING MEDIA ..... Not flammable  
 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 polymerize

#### VI. HUMAN HEALTH DATA

PRIMARY ROUTE(S) OF EXPOSURE ..... Eye and skin contact, inhalation  
 HUMAN EFFECTS AND SYMPTOMS OF  
 OVEREXPOSURE ACUTE ..... Nuisance dust  
 CHRONIC ..... No chronic health effects are known from repeated exposure to iron oxide pigments.  
 MEDICAL CONDITIONS AGGRAVATED  
 BY EXPOSURE ..... None known  
 CARCINOGENICITY ..... Not applicable  
 EXPOSURE LIMITS  
 OSHA PEL ..... Not established for this product.  
 ACGIH TLV ..... Not established for this product. The recommended guideline is the TLV for nuisance particulates, 10mg/m<sup>3</sup> of total dust.  
 EMERGENCY & FIRST AID PROCEDURES  
 EYE CONTACT ..... Flush eyes with plenty of water, lifting lids periodically for at least 15 minutes. Consult a physician if irritation persists.

(continued on back)



## **VI. HUMAN HEALTH DATA (continued)**

SKIN CONTACT .....	Wash with soap and water.
INHALATION .....	Remove for dusty area to fresh air. If not breathing, give artificial respiration If breathing is difficult, give oxygen. Call a physician.
INGESTION .....	Immediately contact a 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 in accordance with local, state, and federal regulations.

### **PRECAUTIONS TO BE TAKEN IN HANDLING**

AND STORAGE .....	Store in a dry area.
OTHER PRECAUTIONS .....	None

## **VIII. CONTROL MEASURES**

RESPIRATORY PROTECTIONS .....	NIOSH approved dust respirator when required for dust.
VENTILATION .....	Local exhaust when required for dust.
PROTECTIVE GLOVES .....	None
PROTECTIVE GLASSES .....	None
OTHER .....	None
WORK/HYGIENE PRACTICES .....	Wash thoroughly after handling and before eating. Keep dust away from food and beverages.

## **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 .....	None

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