



# SOLOMON COLORS

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## MATERIAL SAFETY DATA SHEET

• *SGS Concrete  
Product Colors*

### I. PRODUCT IDENTIFICATION

PRODUCT NAME .....  
CHEMICAL FAMILY .....  
CHEMICAL NAME .....  
SYNONYMS .....  
CAS NUMBER .....  
DOT CLASS .....  
OSHA HAZARD COMMUNICATION STATUS .....

SGS Concrete Product Colors  
Inorganic Metal Oxides  
Iron (III) Oxide  
Ferric Oxide  
1309-37-1, 18624-44-7, 1317-61-9  
Not regulated  
This product is not hazardous under  
the criteria of the Federal OSHA  
Hazard Communication Standard 29  
CFR 1910.1200.  
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

CHEMICAL FORMULA .....

### II. INGREDIENTS

COMPONENTS	%	OSHA-PEL
Iron (III) Oxide (dust)	100	None Est.

ACGIH-TLV  
None Est.

### III. PHYSICAL DATA

APPEARANCE .....  
COLOR .....  
ODOR .....  
MELT POINT/FREEZE POINT .....  
BOILING POINT .....  
VAPOR PRESSURE .....  
SPECIFIC GRAVITY .....  
BULK DENSITY .....  
SOLUBILITY IN WATER .....  
% VOLATILE BY VOLUME .....

Dry Powder  
Buff, Tan, Brown, Black, Red  
None  
Not applicable  
Not applicable  
Not applicable  
4.2 to 5.5  
45-75 lb. per cubic ft.  
Insoluble  
Nil

### IV. FIRE AND EXPLOSION DATA

FLASH POINT °F (°C) .....  
FLAMMABLE LIMITS  
Lel .....  
Uel .....  
EXTINGUISHING MEDIA .....  
SPECIAL FIRE FIGHTING PROCEDURES .....  
UNUSUAL FIRE & EXPLOSIVE HAZARDS .....

Not applicable  
Not applicable  
Not applicable  
Not flammable  
None  
None

### V. REACTIVITY DATA

STABILITY .....  
INCOMPATIBILITY .....  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS .....  
HAZARDOUS POLYMERIZATION .....

Stable  
None  
None  
Will not occur

### VI. HUMAN HEALTH DATA

PRIMARY ROUTE(S) OF EXPOSURE .....  
HUMAN EFFECTS AND SYMPTOMS OF  
OVEREXPOSURE ACUTE .....  
CHRONIC.....

Eye and skin contact, inhalation  
Nuisance Dust  
No chronic health effects are known  
from repeated exposure to iron oxide  
pigments.

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

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE .....  
CARCINOGENICITY .....  
**EXPOSURE LIMITS**  
OSHA PEL .....  
ACGIH TLV .....

None known  
Not applicable

**EMERGENCY & FIRST AID PROCEDURES**

EYE CONTACT .....  
  
SKIN CONTACT .....  
INHALATION .....  
  
INGESTION .....

Not established for this product.  
Not established for this product. The recommended guideline is the TLV for nuisance particulates, 10 mg/m<sup>3</sup> of total dust.

Flush eyes with plenty of water, lifting lids periodically for at least 15 minutes. Consult a physician if irritation persists.  
Wash with soap and water.  
Remove from dusty area to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.  
Immediately contact a physician.

**VII. PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED .....  
  
WASTE DISPOSAL METHOD .....  
  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE....  
OTHER PRECAUTIONS .....

Common housekeeping, vacuum or scoop material into a container for reclamation or disposal.  
Material which cannot be reclaimed should be landfilled in accordance with local, state, and federal regulations.  
Store in a dry area.  
None

**VIII. CONTROL MEASURES**

RESPIRATORY PROTECTIONS .....  
VENTILATION .....  
PROTECTIVE GLOVES .....  
PROTECTIVE GLASSES .....  
OTHER .....  
WORK/HYGIENE PRACTICES .....

NIOSH approved dust respirator when required for dust.  
Local exhaust when required for dust.  
None  
None  
None  
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....  
  
OTHER .....

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.  
None

**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.**