

# CONCENTRATED MORTAR COLOR



## SOLOMON COLORS

### • Material Safety Data Sheet

#### I. PRODUCT IDENTIFICATION

PRODUCT NAME .....

CHEMICAL FAMILY .....

CAS NUMBER .....

DOT CLASS .....

CHEMICAL FORMULA .....

Solomon Colors Concentrated Mortar Color  
 Inorganic Metal Oxide,  
 Carbon Blend  
 1309-37-1, 1333-86-4  
 Not regulated  
 Blends of 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, and/or C

#### II. INGREDIENTS

COMPONENTS	COMPONENTS	%
Iron (III) Oxide (dust)	Fe <sub>2</sub> O <sub>3</sub> • H <sub>2</sub> O, Fe <sub>3</sub> O <sub>4</sub>	100%
No. 80, 85, 97	Fe <sub>2</sub> O <sub>3</sub>	proprietary
	Fe <sub>3</sub> O <sub>4</sub>	
	C	

OSHA-PEL	ACGIH-TLV
None Est.	None Est.
None Est.	None Est.
None Est. <sub>3</sub>	None Est. <sub>3</sub>
3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

#### III. PHYSICAL DATA

APPEARANCE.....

COLOR .....

ODOR .....

MELT POINT/FREEZE POINT .....

BOILING POINT .....

VAPOR PRESSURE.....

SPECIFIC GRAVITY .....

BULK DENSITY .....

SOLUBILITY IN WATER .....

% VOLATILE BY VOLUME .....

Fine, dry powder  
 Buff, Red, Brown, or Black  
 None  
 Not applicable  
 Not applicable  
 Not applicable  
 4 to 5  
 55-80 lbs. per cubic ft.  
 Insoluble  
 Nil

#### IV. FIRE AND EXPLOSION DATA

FLASH POINT °F (°C) .....

IGNITION TEMPERATURE (°C) .....

EXTINGUISHING MEDIA .....

SPECIAL FIRE FIGHTING PROCEDURES .....

UNUSUAL FIRE & EXPLOSIVE HAZARDS .....

Not applicable  
 Not applicable  
 Not flammable  
 None  
 None

#### FOR COLOR NOS. 80, 85, 97

FLASH POINT °F (°C) .....

IGNITION TEMPERATURE (°C) .....

EXTINGUISHING MEDIA .....

SPECIAL FIRE FIGHTING PROCEDURES .....

UNUSUAL FIRE & EXPLOSIVE HAZARDS .....

Not applicable  
 500 to 700 in air  
 Water  
 Normal fog or nozzle jet application  
 of water and/or exclusion of air.  
 Burning carbon black can produce carbon  
 monoxide and sulfur dioxides. Use a  
 NIOSH approved respirator for protection  
 from possible exposure during a fire.  
 Exercise caution as it may not be obvious  
 that it is burning unless stirred and sparks  
 are present.

#### V. REACTIVITY DATA

STABILITY .....

INCOMPATIBILITY .....

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS .....

HAZARDOUS POLYMERIZATION.....

CONDITION TO AVOID .....

Stable  
 None  
 Carbon may form carbon monoxide,  
 carbon dioxide or sulfur oxides if present.  
 Will not polymerize  
 Strong acids such as hydrochloric,  
 hydrofluoric, etc. Excessive heat and  
 strong oxidizers such as chlorates,  
 bromates or nitrates.



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**V. REACTIVITY DATA (continued)**

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

**VI. HUMAN HEALTH DATA**

EXPOSURE LIMITS  
OSHA PEL ..... Not established for this product.  
ACGIH TLV ..... Not established for this product. The  
recommended guideline is the TLV<sub>3</sub>  
for nuisance particulates, 10 mg/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.  
SKIN CONTACT ..... Wash with soap and water.  
INHALATION ..... Remove from 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.

**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.**