

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 Fe₂O₃, Fe₃O₄,
 Fe₂O₃ • H₂O, and/or C

II. INGREDIENTS

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

OSHA-PEL	ACGIH-TLV
None Est.	None Est.
None Est.	None Est.
None Est. ₃	None Est. ₃
3.5 mg/m ³	3.5 mg/m ³

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 TLV₃
for nuisance particulates, 10 mg/m³
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
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