MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME ........................................... SGS Concentrated Mortar Color

CHEMICAL FAMILY/ALTERNATE IDENTIFIERS .... . Inorganic Metal Oxides, Iron (III) Oxide, Ferric Oxide, Carbon Blend
FORMULA .......................... Blends of Fe₂O₃, Fe₃O₄, FeOOH, H₂O and C
COMPANY IDENTIFICATION: ............................ Solomon Colors, Inc.
4050 Color Plant Road
Springfield, IL 62702 USA

FOR INFORMATION CALL: 217-522-3112

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS #</th>
<th>WT.%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron (III) Oxide (Fe₂O₃, Fe₃O₄, FeOOH H₂O)</td>
<td>1309-37-1</td>
<td>99+%</td>
<td>None est.</td>
<td>None est.</td>
</tr>
<tr>
<td>No. 80, 85, 97 have Carbon (C)</td>
<td>1333-86-4</td>
<td>Proprietary</td>
<td>3.5 mg/m³</td>
<td>3.5 mg/m³</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARDS IDENTIFICATION

EYES: May cause eye irritation.
SKIN: May cause skin irritation.
INGESTION: Large oral dosages may cause irritation of the digestive tract.
INHALATION: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
CHRONIC EXPOSURE: No chronic health effects are known from repeated exposure to iron oxide pigments.

SECTION 4. FIRST AID MEASURES

EYES: Flush eyes with generous amounts of water for at least 15 minutes lifting lids occasionally. Call a physician if irritation persists.
SKIN: Wash with mild soap and water. Remove contaminated clothing. If irritation develops, consult a physician.
INGESTION: Immediately contact a physician.
INHALATION: Remove to fresh air. If there is difficulty breathing, call a physician.
SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT ................. 597 °F

Extinguishing media: Use foam, carbon dioxide (CO2), dry chemical, or water fog. Do not use high pressure water stream as this may spread burning powder (burning powder will float)

Special Fire Fighting Procedures: May not be obvious that Carbon black is burning unless the material is stirred and sparks are apparent. Carbon black that has been on fire should be observed closely for at least 48 hours to ensure no smoldering material is present. Firefighters should use self-contained breathing apparatus.

Unusual Fire & Explosive Hazards: Products of combustion include carbon monoxide (CO), carbon dioxide (CO2), and oxides of sulfur.

SECTION 6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE OR SPILLS: Common housekeeping, vacuum, or scoop material into a container for reclamation or disposal.

SECTION 7. HANDLING AND STORAGE

STORAGE: Keep container dry and tightly closed in cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION. ........ NIOSH approved respirators for dust when required.
VENTILATION REQUIREMENTS. ...... Local exhaust for dust when required.
PROTECTIVE GLOVES. .............. Rubber, plastic, or cloth if appropriate for job conditions.
EYE PROTECTION. ................. Safety glasses if appropriate for job conditions.
OTHER. ........................... Wash thoroughly after handling and before eating. Keep dust away from food and beverages.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE .................... Fine, Dry Powder
COLOR ............................ Red, Buff, Brown, or Black
ODOR ............................. Odorless
MELTING POINT ................. Not Applicable
BOILING POINT (DEG F) ........ Not Applicable
DENSITY ......................... Not Available
pH ................................. Not Available
VAPOR PRESSURE ............... 4 to 5
BULK DENSITY ................... 55-80 lbs per cubic ft.
SOLUBILITY IN WATER ........... Insoluble

SECTION 10. STABILITY AND REACTIVITY

STABILITY ....................... Stable under ordinary conditions. At temperatures above 300°C the product may become unstable and oxidize. This generates additional heat which, under unfavorable conditions, may result in combustion of flammable materials. This product should not be stored near heat sources.
INCOMPATIBILITY ............... None Known
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS ........ Non Known
HAZARDOUS POLYMERIZATION .... Will not occur
SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological studies of a comparable product indicate acute toxicity:
LD50 oral, rat: >5000 mg/kg
Skin and mucous membrane compatibility, rabbit: skin 24 hours exposure – non-irritant
Eyes – non-irritant.

Under extreme conditions mechanical action arising from eye contact (action of dust) may cause slight temporary irritation of mucosa.

SECTION 12. ECOLOGICAL INFORMATION

Toxicological studies of a comparable product indicate:

Acute fish toxicity: LCO = > 1000 mg/l  Test species: Golden Orfe (Leuciscus idus)
Acute bacterial toxicity: no harmful effect on Pseudomonas flourescens: > 1000 mg/l
As the product is practically insoluble in water, it is separated in almost any filtration and sedimentation process.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Material which cannot be reclaimed should be disposed of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT: Non-regulated
Hazard Class: Non-regulated
Label: Not required

SECTION 15. REGULATORY INFORMATION

No labeling is required for this material, in accordance with EC Directives.

SECTION 16. ADDITIONAL INFORMATION

Special Precautions

Precautions to be taken in handling and storage: Store in dry place away from ignition sources and strong oxidizers. If hot torch work (welding, torch cutting, etc.) is required, the immediate work area must be cleared of carbon black product. Fine dust may cause electrical shorts and may penetrate electrical equipment unless tightly sealed.

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