



MATERIAL SAFETY
DATA SHEET
ColorFlo Granular Pigment
SG417 Dark Red

PO Box 8288 Springfield, IL 62791
1-800-624-0261

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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME SG417 Dark Red
CHEMICAL FAMILY/ALTERNATE IDENTIFIERS Inorganic Metal Oxides, Iron (III) Oxide, Ferric Oxide
FORMULA Mixture of Fe₂O₃, and a proprietary binding agent.
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

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>WT. %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Iron (III) Oxide	1309-37-1	95+%	10mg/m3	5mg/m3.
Proprietary	Trade Secret	<5%	15mg/m3	10mg/m3
Proprietary	Trade secret	<5%	15mg/m3	10mg/m3

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 Not Applicable.
FLAMMABLE LIMITS Not Applicable.
EXTINGUISHING MEDIA Not flammable.
SPECIAL FIRE FIGHTING PROCEDURES. Firefighters should use self-contained breathing apparatus.

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

HANDLING: Opened packaging should be close after use to prevent moisture absorption and contamination.

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 Dry Pellets/Granules

COLOR Red

ODOR Odorless

MELTING POINT > 900° C (1652°F)

DENSITY Not Available

pH 4-8 at 50g/l

VAPOR PRESSURE Not Applicable

BULK DENSITY Not Available

SOLUBILITY IN WATER 2% by weight

SECTION 10. STABILITY AND REACTIVITY

STABILITY Stable under ordinary conditions.

INCOMPATIBILITY. None Known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS None Known

HAZARDOUS POLYMERIZATION Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Oral: rat: LD50 >3500 mg/kg

Acute Dermal, rabbit: LD50 >5,000 mg/kg

Skin and mucous membrane compatibility, rabbit: skin 24 hours exposure – non-irritant.

Eyes: rabbit, non-irritant. Mechanical action arising from eye contact (action of dust) may cause slight temporary irritation of mucosa.

Inhalation: rat, 2mg/l, 1 hr.

SECTION 12. ECOLOGICAL INFORMATION

Acute fish toxicity: LC0 > 1000 mg/l (Golden Orfe, *Leuciscus idus*)

Acute bacterial toxicity: EC0 > 1000 mg/l (*Pseudomonas fluorescens*)

Acute Toxicity to aquatic invertebrates: EC50 > 1000mg/l (*Daphnia magna*)

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

OSHA Standard Rating: Hazardous.

US EPA EPCRA SARA Title III Sections 311/313: Chronic Health Hazard.

US TSCA: Listed in TSCA inventory.

US EPA RCRA (40 CFR 261): Not hazardous if disposed of in its purchased form.

California Proposition 65: To the best of our knowledge this product does not contain any of the listed chemicals which the state of California has found to cause birth defects, cancer, or other reproductive harm.

SECTION 16. ADDITIONAL INFORMATION

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.

(REVISION 12/2010)