



IRON OXIDE PIGMENTS FOR THE CONCRETE INDUSTRY

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MATERIAL SAFETY DATA SHEET

• SGS Concrete Stain

I. PRODUCT IDENTIFICATION

PRODUCT NAME Chemical Stain
COLOR NAMES Amber, Antique Copper, Aspen, Caribbean, Forest Green, Hickory, Peppercorn and Sunbaked Clay
CHEMICAL FAMILY Inorganic Salt Solution
OSHA HAZARD COMMUNICATION STATUS
HMIS - Health Rating - 2; Flammability Rating - 0; Reactivity Rating - 1

II. INGREDIENTS

Table with 4 columns: INGREDIENT, PERCENTAGE, CAS#, TLV. Rows include Proprietary, Cupric Sulfate, Ferrous Sulfate, Manganese Chloride, and Sodium Dichromate.

This product is not subject to the reporting requirements of Section 313 of S.A.R.A. Title III.

III. PHYSICAL DATA

APPEARANCE Liquid
ODOR Sour
BOILING RANGE 100 °C
VAPOR PRESSURE Not Available
SPECIFIC GRAVITY 1.0 - 1.8
EVAPORATION Not Available
SOLUBILITY Soluble pH < 3.0

IV. FIRE AND EXPLOSION DATA

FLASH POINT Not Flammable
AUTOIGNITION TEMPERATURE Not Applicable
EXTINGUISHING MEDIA Dry Chemical. Water spray may be used to extinguish surrounding fire and cool exposed containers. Water spray will also reduce fume and irritant gases.

SPECIAL FIRE FIGHTING PROCEDURES

In event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE & EXPLOSIVE HAZARDS

None

V. REACTIVITY DATA

STABILITY Stable
INCOMPATIBILITY Avoid oxidizers. May emit toxic gases if contact with hypochlorites occurs. Will emit toxic gases in contact with chlorides or nitrates. Avoid metals, especially alkali or alkaline earth metals, reducing agents, organic and oxidizable materials.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS

May emit oxides of carbon, nitrogen and chlorine. Hydrogen gas may be released with certain metals.

HAZARDOUS POLYMERIZATION

Will not occur.

(continued on back)

VI. HUMAN HEALTH DATA

PRIMARY ROUTE(S) OF EXPOSURE

Skin contact

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE ACUTE AND CHRONIC

- EYE CONTACT May cause minor irritation.
SKIN CONTACT. May cause irritation. No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin exposure.
INHALATION. Breathing mist can cause irritation of nasal and respiratory passages. May cause sneezing.
INGESTION This product may be harmful or fatal if ingested.

EMERGENCY & FIRST AID PROCEDURES

- EYE CONTACT Immediately flush with water for 20 minutes, holding eyelids apart to ensure flushing on the entire eye surface. Call physician immediately.
SKIN CONTACT. Immediately flush skin with plenty of water for 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention irritation develops.
INHALATION. Move victim to fresh air. Call a physician.
INGESTION Do not induce vomiting. Guard against aspiration into lungs by having the individual turn to their side. Do not give anything by mouth to an unconscious person. Call a poison center or physician immediately.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Do not permit runoff during application, rinsing and cleanup. Collect with wet vacuum or absorb with inert material. Dispose of all stain residues, runoff liquid, used absorbent materials and discarded equipment in accordance with all federal, state and local regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Ventilate area of leak or spill. Wear appropriate personal protective equipment. Prevent flow to sewer/public waters. Restrict water use for cleanup. Slippery walking. Spread granular cover. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do NOT flush to sewer.

WASTE DISPOSAL METHOD:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in according to federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Use in a well ventilated area. Keep in a tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquids); observe all warnings and precautions listed for this product.

OTHER PRECAUTIONS:

Avoid body contact and splashing.

VIII. CONTROL MEASURES

RESPIRATORY PROTECTION . . . Acid vapor cartridge or supplied air respirators approved by NIOSH.

VENTILATION. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its sources, preventing dispersion of it into the general work area.

PROTECTIVE GLOVES. Neoprene or equivalent gloves.

PROTECTIVE GLASSES Chemical splash goggles and/or face shield

OTHER. Chemical resistant clothing or apron. Safety showers and eye wash stations should be available.

WORK/HYGIENE PRACTICES . Wash thoroughly with soap and water before eating, smoking or using washroom. Remove contaminated clothing and wash before re-use.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep in a tightly closed container, store in a cool, dry, ventilated area away from any heat or ignition sources.

OTHER. Keep out of the reach of children.

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.