

MATERIAL SAFETY DATA SHEET BURNT SIENNA PIGMENT

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION.

Hoover Color Corporation

2170 Julia Simpkins Road

P.O.Box 218 Hiwassee, MA 24347-0218

540/980-7233 CHEMICAL EMERGENCY HOTLINE 800/424-9300

PRODUCT NAME: Hoover 308BS Burnt Sienna CAS# 1317-63-1

PRODUCT DESCRIPTION: Brownish-Red Powder

CHEMICAL FAMILY: Inorganic Pigment (s)

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SECTION II - HAZARDOUS MATERIAL IDENTIFICATION

Hazard _	CAS #	WT/Wt %	Less
Than			
BARIUM SULFATE, BARYTES (BAS04)	7727-43-7		9-10
ACGIH TLV: * 10 MG/M3 (TWA);			
OSHA PEL: ** 5 MG/M3 (TWA);			
* Total Dust			
** Respirable Dust			
5 mg/m3 (resp.) CRYSTALLINE SILICA, QUARTZ (TOTAL)	14808-60-7		
3.6 - 3.8			
ACGIH TLV: *0.025 MG/M3 (TWA);			
OSHA PEL: ** (TWA);			
*Respirable limits for particles < 10 urn AD. ** PEL-TWA = 10 mg/m3 / %SiO2+2 IRON			
OXIDE (FUME) - FE2O3	1309-37-1		55 - 60
ACGIH TLV: ** (TWA);			
OSHA PEL: ** (TWA);			
** Under normal conditions, when this material is used as a pigment, no hazardous conditions exist. If this material is heated to produce an Iron Oxide Fume or Gas, such as those encountered in welding or smelting, ACGIH has issued a TLV of 5 mg/m3 and OSHA has set a PEL of 10 mg/m3.			
KAOLIN	1332-58-7		1.0 - 2.0
ACGIH TLV: *2 MG/M3 (TWA);			
OSHA PEL: *5 MG/M3 (TWA);			
* Respirable fraction for product with < 1% crystalline silica.			
MAGNESITE	546-93-0		8-10
OSHA PEL: *5 MG/M3 (TWA);			
^Respirable.			
NON-HAZARDOUS			6-10
ACGIH TLV: N/A (TWA);			
OSHA PEL: N/A (TWA);			
MAGNESIUM SILICATE	14807-96-6		9-11
ACGIH TLV: * 2.0 MG/M3 (TWA);			
OSHA PEL: ** 20 MPPCF (TWA);			
NUISANCE DUST - This material is considered a Nuisance Dust. Please also observe the following exposure limits for this material:			

OSHA - PEL = 15 mg/m³ (Total Dust) 5 mg/m³ (Respirable Dust)

SECTION III - PHYSICAL DATA

APPEARANCE: powder

SPECIFIC GRAVITY: 3.1 g/cc

TAP DENSITY: 0.8 g/cc

SOLUBILITY (H₂O) na

COLOR brownish red

PH 6.8

BOILING POINT na

MELTING POINT na

ODOR none

VOLATILE, % na

SECTION IV: FIRE AND EXPLOSION

FLASH POINT: None

FLAMMABLE LIMIT: None Applicable.

EXTINGUISHING MEDIA: Dry Chemical, Foam, or CO₂. A water mist, fog or spray can be used to control dusting and cool the material.

FIRE FIGHTING PROTECTION: Firefighters should wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE OR EXPLOSION HAZARDS: This material is a very fine dust, avoid the use of high pressure water, which could spread burning material and create hazardous dust conditions.

SECTION V: REACTIVITY DATA

STABILITY: Stable under normal conditions.

POTENTIAL CONDITIONS FOR REACTIONS: None

POLYMERIZATION: None will occur

INCOMPATIBILITY: None

ADDITIONAL INCOMPATIBILITY: This material contains Synthetic Iron Oxide which is incompatible with Hydrazine, Calcium Hypochlorite, Performic Acid and Bromine Pentafluoride.

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION VI: HEALTH HAZARD DATA

RISK SUMMARY: Eye & Skin contact may cause irritation. Prolonged inhalation at excessive dust levels may cause damage to the lungs and respiratory tract.

ADDITIONAL RISK SUMMARY: This material contains crystalline silica, either in the form of quartz, cristobalite and/or tridimite, an IARC probable carcinogen. Long-Term repeated exposure to excessive levels of crystalline silica dust may cause silicosis, a progressive and sometimes fatal lung disease.

PRIMARY ENTRY ROUTES: Inhalation, ingestion, and/or eye contact.

ACUTE EFFECTS: May cause minor eye, skin, and/or respiratory tract irritations. May irritate pre-existing respiratory diseases such as asthma.

CHRONIC EFFECTS: Prolonged inhalation at excessive dust levels may cause damage to the lungs and/or respiratory tract.

EYE CONTACT: Flush thoroughly with large amounts of water. Get medical attention if irritation persists.

SKIN CONTACT: Wash with mild soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.

INHALATION: Remove to fresh air and get medical help for any breathing difficulties.

INGESTION: Rinse mouth with water, give subject liquids to drink and do not induce vomiting. Seek medical assistance if any problems arise.

SECTION VII: SPILLS, LEAKS, & DISPOSAL PROCEDURES

SPILLS & LEAKS: Vacuum or scoop up spilled material and dispose of in an appropriate waste container. Misting with water or absorbent dust control products may help to keep airborne dust levels at a minimum. Provide proper ventilation and personal protection equipment for use during cleanup.

WASTE DISPOSAL: Waste material can be buried in an approved landfill in accordance with Federal, State, and Local environmental regulations. According to 40 CFR, Part 261 of the Resource, Conservation, and Recovery Act (RCRA), this product is not classified as a hazardous material.

SPECIAL HANDLING INFORMATION: Provide adequate ventilation when handling this material, material is apt to dust. Material may become slippery when wet.

SECTION VIII: PROTECTION EQUIPMENT

RESPIRATOR TYPE: NIOSH approved dust respirator suggested. Approved dust respirators are required when dust exceeds recommended TLV.

EYE PROTECTION: Safety glasses with side shields or goggles are suggested.

GLOVES: Cloth, leather, rubber, or plastic gloves suggested.

OTHER SUGGESTED PROTECTION EQUIPMENT: Provide an adequate exhaust system that is filtered, to avoid contaminating the environment, and that meets the TLV requirements in the work area. Eye wash stations, sinks and showers should be available.

SECTION IX: STORAGE REQUIREMENTS

STORAGE TEMPERATURE: Min: Ambient/Max: Ambient

AVERAGE SHELF LIFE: Unlimited

SPECIAL SENSITIVITY(to heat, light, moisture): None

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a dry place at an ambient temperature and away from food and beverage. Keep material in closed containers.

Avoid unnecessary contact; Wash thoroughly after handling; [FOR INDUSTRIAL USES ONLY].

SECTION X: SHIPPING INFORMATION

D.O.T. SHIPPING NAME: Not applicable

TECHNICAL SHIPPING NAME: Inorganic Pigment D.O.T. HAZARDOUS

CLASSIFICATION: Non-regulated. D.O.T. LABEL REQUIRED: No. FREIGHT

CLASSIFICATION: Iron Oxide, NOI.

SECTION XI: SUBSTANCE GOVERNMENTAL REGISTRY

TSCA (United States) Listed

EINECS (European Community) Listed

DSL (Canada) Listed by way of a naturally occurring ore(s)

CEPA, 1999 section 2.2.1.4

SARA Title III Section 313: Not Listed

REASONS FOR ISSUE: Compliance with 29 CFR, Part 1910.1200.

LIMITATIONS: The data and recommendations made in this document are based on our own research and the research of others, and are believed to be accurate. Hoover

Color makes no guarantee or warranty, either expressed or implied as to the accuracy or completeness of the data and recommendations.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

Hazard Rating:

4=Severe

Health: 1

3=Serious

Flammability: 0

2=Moderate

Reactivity: 0

1=Slight

Personal Protection: E (glasses, gloves, dust respirator)

0=Minimal