



Hill and Griffith Company Material Safety Data Sheet

PLAINTIFF'S EXHIBIT

H&G-64

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

I. PRODUCT IDENTIFICATION

PRODUCT NAME (s): Red Chief Dry Core Paste

Manufacturer: The Hill & Griffith Co.

Address: 1262 State Avenue
Cincinnati, Ohio 45204

Telephone: (513) 921-1075

Fax: (513) 921-9180

EMERGENCY

TELEPHONE: (800) 424-9300

Call Chemtrec

II. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM *

CATEGORY	RATING	LEGEND
Flammability	1	1=Slight Hazard
Health	2	2=Moderate Hazard
Reactivity	0	0=Minimal Hazard
Personal Protection	B	B=Glasses and Gloves

- These ratings are based on NFPA regulations

III. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS.NO.	ACGIH THRESHOLD LIMIT VALUE	%	OSHA PERMISSIBLE RANGE	EXPOSURE LIMIT
Iron Oxide	1317-60-8	5 mg/m ³	5-10	NE	
Inert Nuisance Dusts	Mixture	10 mg/m ³	50-60	15 mg/m ³	
• As respirable dust					

@ This material contains Silicon Dioxide in some form. IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans (Volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans. Classified by the IARC as 2A.

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IV. PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Red powder, sweet odor.

Water Solubility: Miscible.

Melting Point(°F): NA

Boiling Range(°F): NA

Specific Gravity(water=1): NE

Vapor Pressure(mmHg): NA

Percent Volatile By Weight: NA

Vapor Density(Air=1): NA
TPQ: NA

Evaporation Rate(Butyl Acetate=1): NA
RQ: NA

V. FIRE AND EXPLOSION INFORMATION

Flash Point(C.O.C.)(°F): NA

Auto-Ignition Temperature(°F): NE

Flammable Limits: LEL: NE UEL: NE

Extinguishing Media: Alcohol foam, CO₂, or chemical.

Unusual Fire or Explosion Hazards: Material may burn in the presence of flames or high heat sources.

Special Fire-Fighting Procedures: Use full facepiece with self-contained breathing apparatus when fighting fires near this product.

VI. CHEMICAL REACTIVITY INFORMATION

Conditions Contributing to Instability: None.

Incompatible Materials: Strong acids or oxidizers.

Conditions to Avoid: None.

Hazardous Decomposition Products: Various oxides of carbon and hydrogen.

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VII. HEALTH HAZARDS A. Summary/Risks

Signs and Symptoms of Overexposure: Eyes- irritation with redness and swelling; Skin- may irritate; Inhalation- may cause coughing and sneezing.

Medical Conditions Generally Aggravated by Exposure: May aggravate pre-existing medical conditions.

Primary Route(s) of Entry: Inhalation, skin contact, and ingestion.

Target Organs: Eyes, lungs, and skin.

Acute Health Effect: Overexposure could lead to skin irritations and lung or mucous membrane irritation.

Chronic Health Effect: Overexposure could lead to severe damage to skin, eyes, lungs, or mucous membranes.

Carcinogenicity: See page 1.

Notes to Physician: None.

VII. HEALTH HAZARDS B. First Aid/Emergency Procedures

Inhalation: If overcome, immediately remove from exposure and seek medical attention.

Skin Contact/Absorption: Wash skin thoroughly with soap and water. If irritation develops, seek medical attention.

Eye Contact: Flush with clear flowing water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: If ingested, DO NOT induce vomiting; call a physician immediately.

VIII. SPILL, LEAK AND WASTE DISPOSAL PROCEDURES

Procedures for clean-up of spills/leaks: Stop spill as soon as possible. Scoop up or clean up using best means possible. Water may be used to clean area. Notify proper authorities if the need exists.

Waste Disposal: Waste generated during application, demolition, breakage or spillage may be hazardous wastes as defined by RCRA (40 CFR part 261). Place waste and spillage in closed containers. Dispose of in approved landfill in accordance with federal, state and local regulations.

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IX. PROTECTION AND CONTROL INFORMATION

Hygienic Practices: Minimize breathing vapors, mists, fumes or dusts. Avoid prolonged or repeated contact with skin. Remove contaminated clothes, launder before reuse. Remove contaminated shoes; clean before reuse.

Ventilation Requirements: Provide ventilation sufficient to prevent exceeding recommended exposure limits.

Respiratory Protection: Use NIOSH approved organic cartridge Type 7 respirator for vapors and/or a fine particulate filter for dusts, if necessary.

Eye Protection: Use safety glasses, splash goggles, or face shield when eye contact may occur.

Protective Gloves: Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Other Clothing and Equipment: As required to prevent contact.

Engineering Controls/Work Practices: Keep containers and storage containers closed when not in use.

Special Considerations for Repair/Maintenance of Contaminated Equipment: Provide adequate respiratory, eye and skin protection.

X. PRECAUTIONS FOR SAFE HANDLING AND USE

Storage Segregation: Always segregate materials by major hazard class.

Special Handling/Storage: Do not transfer contents to unlabeled container(s).

Other: Comply with all federal, state and local regulations.

XI. DOT SHIPPING REQUIREMENTS

Shipping Name(s): Any Packaging

Compound, Adhesive

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Prepared by: Lori R. Yeager

Title: Corporate Government Regulatory Manager

As of the date of preparation of this document, the forgoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.

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Number 616635 RED CHIEF CORE PASTE DRY 400#
 tity Required .. 1.0000 UM ... LB

Component Part	Description	UM	UM	F	Sk	Pu	T	S	Qty	Per	Extended
											Quantity
610188	DRUM FIBER WITH LID 55GAL	EA	EA	P	Y				.00250		
612138	CLAY FIRE COARSE 50# BAGS	LB	TN	P	Y				.59700		.60
612490	LINER .004 POLY 38X64 FOR	EA	EA	P	Y				.00250		
612998	GOULAC 50# BAGS	LB	LB	P	Y				.32240		.32
613113	IRON OXIDE (RED) 100# BAG	LB	TN	P	Y				.08060		.08

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