



Hill and Griffith Company Material Safety Data Sheet

PLAINTIFF'S EXHIBIT

H&G-67

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): EZ Dry Core and Mold Coating

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	2	2-Moderate Hazard
Health	1	1-Slight Hazard
Reactivity	0	0-Minimal Hazard
Personal Protection	H	H-Splash Goggles, Gloves, Apron, Vapor Respirator

* These ratings are based on NFPA regulations

III. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS.NO.	ACGIH THRESHOLD LIMIT VALUE	% RANGE	OSHA PERMISSIBLE EXPOSURE LIMIT
Aliphatic Petroleum Distillate	8052-41-3	100 ppm or 525 mg/m ³	40-50	100 ppm or 525 mg/m ³
Graphite	7782-42-5	2 mg/m ³	30-40	15mppcf
1-Hydroxyethyl-2-Tell Oil	61791-39-7	NE	0-5	NE

This material contains crystalline silica. The International Agency for Research on Cancer (IARC) Monograph Silica, Some Silicates and Organic Fibres (Volume 68, 1997) has determined that crystalline silica in the form of quartz or cristobalite from occupational exposures, if inhaled, is carcinogenic to humans (IARC Group 1). Prolonged inhalation of silica dust may result in silicosis, a progressive, disabling, and sometimes fatal, lung disease. Avoid creating dusty conditions and use a NIOSH/MSHA approved dust respirator when Threshold limit Values (TLVs) may be exceeded.

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HG-000149

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IV. PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Silver-black paste with petroleum aliphatic odor.

Water Solubility: Negligible.

Melting Point(°F): NA

Boiling Range(°F): 305

Specific Gravity(water=1): 1.08

Vapor Pressure(mmHg): 1.5

Percent Volatile By Weight: 40-50

Vapor Density(Air=1): 3.9

Evaporation Rate(Butyl Acetate=1): NE

TPQ: NA

RQ: NA

V. FIRE AND EXPLOSION INFORMATION

Flash Point(C.O.C.)(°F): 141

Auto-Ignition Temperature(°F): 450-500

Flammable Limits: LEL: 0.8

UEL: NA

Extinguishing Media: Carbon Dioxide, dry chemical, foam, or water fog.

Unusual Fire or Explosion Hazards: High heat may cause spontaneous combustion.

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: Storage near extreme heat, open flames, or electrical arcs.

Hazardous Decomposition Products: Carbon monoxide and water vapor. May produce oxides of sulfur and nitrogen.

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VII. HEALTH HAZARDS A. Summary/Risks

Signs and Symptoms of Overexposure: Overexposure could result in skin irritation and chapping. Inhalation of vapors may cause headache and nausea.

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

Primary Route(s) of Entry: Skin contact and inhalation.

Target Organs: Eyes, lungs, and skin.

Acute Health Effect: Overexposure could result in respiratory tract and mild skin irritations that are reversible.

Chronic Health Effect: Overexposure could result in respiratory tract and mild skin irritations that are irreversible.

Carcinogenicity: See page I.

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):	> 119 gallons	Petroleum Distillates, N.O.S., Combustible Liquid, UN 1268, PG III
	< 119 gallons	Compound, Thermal Insulating

Date Prepared: 12/16/97
Prepared by: Lori R. Yeager

Supersedes: 10/01/93
Title: Corporate Government Regulatory Manager

Print Date: 12/16/97

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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Item Number 116159 EZ DRY PLASTIC MOLD SPRAY 520#
 Quantity Required .. 1.0000 UM ... LB

Component Part	Description	UM	UM	F	Sk	Pu	T	S	Qty Per	Extended Quantity
112037	GRAPHITE CHINESE #280 50#	LB	LB	P	Y				.38000	.38
112137	RESIN 425-30 360# DRUM	LB	LB	P	Y				.00700	.01
112201	MINERAL SPIRITS RULE66 35	LB	LB	P	Y				.49760	.50
112230	CHEMAZINE TO(H) 420# DRUM	LB	LB	P	Y				.02730	.03
112242	ABI GEL 100# BAGS (WYOGEL	LB	TN	P	Y				.04400	.04
112255	ATTAGEL #20 50# BAGS	LB	LB	P	Y				.04300	.04
112272	WATER	LB	LB	P	Y				.00110	
112505	DRUM STEEL O/H UNLINED DK	EA	EA	P	Y				.00200	

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