MATERIAL SAFETY DATA SHEET

(Approved by U. S. Department of Labor. "Essentially Similar" to Form LSB-OOS-4)

NFPA 7

FSMG-72-1 UNK is unknown
N/A is not applicable

FOR METAL CASTING SUPPLIES

SECTION 1 — SOURCE AND NOMENCLATURE

FACTURERS NAME
The Hill & Griffith Company

EMERGENCY TELEPHONE NO.
Area Code 513 Number 921

ESS (NUMBER, STREET, CITY, STATE, ZIP CODE)
1262 State Avenue, Cincinnati, Ohio 45204

CODE NO., TRADE NAME, SYNONYMS
SLIK BOX

ICAL NAME AND SYNONYMS
Proprietary mixture-Stearic acid, Iron oxide, and hydrated Amorphous silica

CHEMICAL FAMILY
Complex

MOLECULAR FORMU

IDED USES (CHECK APPROPRIATE ONES):

Binders (Curing) | Binders (Non-Curing) | Additives | Partings X | Facings | Metal Ad

Castables and Exothermics | Others Release Agent

SECTION 2 — HAZARDOUS INGREDIENTS

RIAL OR INGREDIENT IN PRODUCT: S IN CONTAINER BEFORE USE):	ESTABLISHED OSHA STANDARD TLV (UNITS) ETC.	LD_{50} ORAL	LD_{50} SKIN	LC_{50} INHALATION
NONE				

PLAINTIFF'S EXHIBIT
H&G-70

ONAL (ONLY DURING USE):

NONE

RKS: (CAN BE USED TO STATE THAT ENTIRE PRODUCT IS NON-HAZARDOUS BY OSHA DEFINITION):

reat as nuisance dust with permissible exposure limits suggested 20 m.p.p.c.f.

SECTION 3 — PHYSICAL DATA

	ENTIRE PRODUCT	OR INGREDIENT (NAME)
Point (°F.)	> 650F	
Point (°F.) (Give Method)	app. 120-150F	
Gravity (Water = 1)	app. 1	

ty in Water (Product)
nits) Negligible
nce (Product) Pink powder
roduct) mild fatty acid

Vapor Pressure (mmHg) N/A
Vapor Density (Air = 1) N/A
Evaporation Rate (negligible = 1)
Volatile ____ % Vol. negligible% Wt.
at 70° F.
Other:

SECTION 4 — FIRE AND EXPLOSION HAZARD DATA

POINT 370 °F. ____ °C.
Used) Open Cup

FLAMMABLE EXPLOSIVE LIMITS
Name:

	LOWER	UPPER
	UNK	UNK

NGUISHING MEDIA: Foam, dry powder or water fog

FIRE FIGHTING PROCEDURES:
not use water stream under pressure.

HG-000157

L FIRE AND EXPLOSION HAZARDS:
from organic dusts

OBSOLETE

000158

C DEGREE (LEVEL OF PRODUCT): UNK

IRRITANT-SKIN, EYE, RESPIRATORY: Possible skin, eye, respiratory

CIPIT- ES OF ORETION	NAME ROUTE	NAME TOXIC INGREDIENTS
	Inhalation Eye	Product is considered non toxic

SYMPTOMS OF OVEREXPOSURE: (CHEMICAL NAME AND CORRESPONDING SYMPTOMS)

Coughing, sneezing

ONIC EFFECTS: UNK

RGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove from area into fresh air

Ingestion: Consult Physician

Skin Contact: soap & water wash

Other:

Eye Contact: flush with copius quantities of water-consult Physician

SECTION 6 — REACTIVITY DATA

ILITY (CHECK ONE) CONDITIONS TO AVOID:

Stable X

Unstable

MPATABILITY (MATERIALS TO AVOID): NONE

RDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may yield carbon monoxide & carbon dioxide

RDOUS POLYMERIZATION (CHECK ONE): Will Not Occur X Might Occur

ITIONS TO AVOID:

SECTION 7 — SPILL OR LEAK PROCEDURES

BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

ike spill area with inert material such as sand.

DISPOSAL METHOD:

emove to approved waste disposal area.

SECTION 8 — SPECIAL PROTECTION INFORMATION

ATION REQUIREMENTS:

xhaust Recommended

ical Exhaust Recommended

TEFC motors recommended

rotective Equipment None required

PROTECTIVE EQUIPMENT (SPECIFY TYPES):

Eye Goggles-safety type recommended

Gloves not normally required

Respiratory NIOSH approved dust masks recommend

SECTION 9 — SPECIAL PRECAUTIONS

TIONS TO BE TAKEN IN HANDLING AND STORAGE:

ore in cool dry area. Keep container covered to protect from open flame or sparks.

PRECAUTIONS:

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NE REQUIRED.

formation contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this data sheet a guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laborato Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the n m to use any patent owned by anyone is not to be inferred from any statement contained herein. WITH REGARD TO THE MAT R MAKES NO WARRANTY OF ANY KIND WHATEVER, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES OF MERC TY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY SELLER.

7/13/83 SIGNATURE: [signature] TITLE:

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the HILL and GRIFFITH Company

1262 State Avenue
Cincinnati, Ohio 45204

2931 Seventh Avenue - North
Birmingham, Alabama 35202

4606-10 West 16th Street
Chicago, Illinois 60650

Depot Street
Burbank, Ohio 44214

HANDLING

1. Harmful if ingested.
2. Avoid formation of dust clouds in use or storage areas.
3. High concentrations of dust may be subject to explosion if exposed to sparks, open flame, or heated pipes.
4. Should product be involved with fire — use Foam, Carbon Dioxide, or dry chemical.*
5. Incomplete combustion could yield Carbon Monoxide.

*When using any type of extinguisher — stand back at least 10 feet from fire and do not apply with force to form dust clouds.

SLIK BOX

FIRST AID

1. If ingested—induce vomiting—call Physician.
2. Eye contact—flush with water—call Physician.
3. Prolonged inhalation of fumes—remove victim to fresh air—call Physician.
4. Soap & water wash after skin contact to avoid possible skin dermatitus.

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