



MATERIAL SAFETY DATA SHEET

MSDS NO. BX-5066

May be used to comply with OSHA Hazard Communication standard
29CFR 1910.1200 Standard must be consulted for specific requirements

Category: LUBRICANT

Date: 3/2/09

Section 1

Product Name or Number (as it appears on label)
G-440 KOOL GRIND LUBRICANT (STICK FORM)

Emergency Telephone No. 888-457-4463

Health Rating: 1
Flammability Rating: 0
Reactivity Rating: 0
Hazard Rating: 0

DISTRIBUTED BY STIHL INC.

Approved by: A.J. JOHNSTON

Manufacturer's Name:

Formax Manufacturing Corporation
168 Wealthy S. W. Grand Rapids, Michigan 49503

Manufacturer's D.U.N.S. No. : 00-535-4238

Proper Shipping Name: **NMFC-48580 Scouring Compound (Cake, Paste or Liquid form N.O.I.) / Polishing Wheels 14924009/clc-70**
Additional Hazard Classes (As Applicable): **None Listed --- Shipping Not Regulated by D.O.T.**

Chemical Family: **Organic / Inorganic Mixture** Reportable Quantities: **None** Formula: **Proprietary Formula:**

Section II Composition

Chemical Name	Common Name	CAS No.	OSHA Permissible Exposure limit 15 mg/M3 (Total Dust)	ACGIH TLV 10 mg/M3 (Total Dust)
PETROLEUM DERIVED HYDROCARBON	MICRO CRYSTALLINE WAX	64742-43-4		
CARBON	GRAPHITE	7782-42-5		
GLYCERIDE	HARDENED FATS	67701-27-3		

Formax polishing & buffing compounds are formulated with abrasives surrounded in a matrix of grease binders, waxes and / or soap / water emulsions. Ingredient ratio proportions can be and are varied to meet individual buffing needs and surface conditioning. Respirable dust and debris hazards may be created during buffing operations. Exposure limits for dust particles should not be exceeded beyond ACGIH, TLV-TWA recommend ceilings for Respirable silica and/or Tripoli dust at 0.1mg/M3.

Section III Physical and Chemical Characteristics

Boiling Point: DOES NOT BOIL	Melting Point: 400°F	Specific Gravity: .8010
Vapor Pressure: NOT DETERMINED	Percent volatile by Vol.: NIL	Vapor density: N/A
Evaporation Rate: NONE	Solubility in Water: NIL	Solubility in Alcohol: PARTIALLY
Solubility in other solvents: Alkaline Cleaners or Chlorinated Solvents		Appearance and odor: DARK GREY (IN STICK FORM)

Section IV Fire and Explosion Hazard Data

Flash Point: >500 ° F (Method Used) C.O.C. ASTM D-92 Flammable Limits: **Not Established**

Extinguishing Media: **C.O.2., Dry Chemical, Foam, Water Fog.**

Special Fire Fighting Procedures: **Dried Polishing Compound and Buffing Wheel Lint and Debris May Make the Mix Combustible. Treat as an Oil Fire.**

Explosion Potential: None for new and unused stored material.

Section V Reactivity Data

Stability: Unstable: **Stable:** Condition to Avoid: Using under conditions of insufficient dust collecting systems, or Ventilation

Incompatibility (Materials to Avoid): Strong Oxidizers or Reducing Agents

Hazardous Decomposition Products: On combustion Hydrocarbons may form to produce smoke, carbon monoxide, carbon dioxide.

Hazardous Polymerization: **Will not Occur:** May Occur:

Section VI Health, First Aid and Medical Data

MSDS: BX-5066

Primary Route(s) of Entry	Acute and Chronic Health Effects and Effects of Overexposure.	First aid and Medical Information
Inhalation (during use)	Acute - May cause coughing, shortness of breath (Dust) Chronic - May affect breathing capacity (Dust)	Remove to fresh air apply artificial respiration as needed. Obtain First Aid or Medical assistance.
Ingestion	May cause gastrointestinal disturbances, constipation or diarrhea.	Obtain First Aid or Medical assistance if needed.
Skin Contact & Absorption	Irritation of the skin may occur due to mechanical/chemical action or dermatitis reaction.	Wash skin with soap and water. Obtain First Aid and/or Medical assistance if symptoms persist.
Eye	Dust or buffing debris may irritate or damage the eyes without protection. Always wear safety glasses and/or face shield helmets when performing buffing operations. See OSHA 29cfr1910.122 (Safety Glasses)	Wash with large amounts of water- obtain First Aid or Medical assistance if needed.
Other potential health risks (Prolonged inhalation of dust particles may result in disabling pulmonary fibrosis.)	Symptoms might include deposits of materials in eyes, ears, nasal passages, irritation of mucus membranes. Warning: Do not breath dust of compounds containing abrasive materials without following OSHA safety and health standards for dust accumulation collection	Regular constant vigilance in Safety and Maintenance check-up programs are advised to reduce risks associated with buffing and polishing operations.

Section VII

Carcinogenicity:	NTP Not Reported	IARC Not Reported	OSHA Not Reported
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Section VIII Spill or Leak Procedures

Steps to be taken in case material is released or spilled: sweep into containers; storage of buffing wheel and compound debris may contain combustible lint. Waste disposal method: Sweep up and Incinerate or dispose in accordance with Local, State and Federal regulations.

CERCLA (Superfund) reportable quantity (in LBS.)	None
RCRA Hazardous waste No. (40 CFR 261.33)	None
Volatile Organic Compound (VOC) (as packaged, minus water)	N/A

Section IX Special Protection Information

Respiratory protection (specify type): OSHA 24 CFR/134 NIOSH/MSHA Approved respirators for particulates from buffing debris.

Ventilation: Local Exhaust: General Room Ventilation
Mechanical (General): Recommend venting to dust collectors

Protective Gloves: Wear heavy duty work type gloves for hand protection.
Eye Protection: Wear Safety Glasses and/or Face shield helmets. See OSHA 29 CFR 1910.122 (Safety Glasses)
Other Protective Equipment: Protective work clothing, body apron or belly pads, safety shoes, as needed.
Hearing Protection: Avoid prolonged excessive noise levels created by buffing and polishing operations. See: OSHA 29 CFR 1910.215 (Hearing Protection)

Section X Special Precautions

Precautions to be taken in handling and storing: Handle with adequate ventilation for nuisance dust when using. See OSHA 29 CFR 1910.24 (Ventilation) and 29 CFR 1910.1000 (Air Contaminants). Other precautions: Keep liquids from freezing. Store away from excessive heat.

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Formax Mfg. makes no warranty with respect to the accuracy of the information or the suitability of the recommendation, and assumes no liability to any user thereof.



** NAIF = no applicable information found

*** N/A= not applicable