



BRUSH RESEARCH MANUFACTURING CO., INC. MATERIAL SAFETY DATA SHEET

I. PRODUCT & COMPANY IDENTIFICATION

Trade Name (as labeled): FLEX-HONE® OIL
Chemical Names, Common Names: HONING OIL

Manufacturer: Brush Research Mfg. Co., Inc.
4642 East Floral Dr., Los Angeles, CA 90022

Phone: 323-261-2193

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Date Revised: 11/07/03

II. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Names	CAS Numbers	Exposure Limits in Air	
		ACGIH (TLV)	OSHA(PEL)
Petroleum Lubricant	64741-97-5		5mg/m3
Dodecylphenol, ethoxlated	9014-92-0		
Petroleum Distillates	64742-88-7	100 ppm	500 ppm
Silicon Dioxide, Amorphus	7631-86-9	10mg/m3	10mg/m3
2,6-Di-tert-butyl-4-methylphenol	128-37-0	10mg/m3	10mg/m3

III. PHYSICAL PROPERTIES

Physical Form: Oily liquid

Boiling point: >374°F

Evaporation Rate (water = 1): <0.01

Vapor Density (air = 1): <0.1

Solubility in water: Negligible

Specific Gravity: .84 to .90

IV. FIRE AND EXPLOSION

Flash Point: Cleveland Open Cup > 350° F.

Extinguishing Media: CO2, foam, or dry chemical.

Unusual Fire and Explosion Hazards: Dense smoke. Fire fighters should wear self-contained breathing apparatus.

NFPA Rating: Fire = 1 Health = 1 Reactivity = 0 Personal Protection = B

V. HEALTH HAZARD INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation: Inhalation of mists can cause upper respiratory irritation. Inhalation of vapors is not normally a problem due to the low volatility of this product.

Skin Contact: May cause mild irritation. Repeated, prolonged skin contact may cause dermatitis. Also, the use of abrasive soaps or solvents to clean skin may promote dermatitis.

Eye Contact: Mild irritant

Ingestion: Irritating to the GI tract. May cause nausea, vomiting and diarrhea.

Medical Conditions Aggravated by Exposure: Chronic respiratory or skin diseases.

Carcinogenicity: This product is not listed as a carcinogen by NTP, IARC or OSHA.

FIRST AID: EMERGENCY PROCEDURES

Inhalation: Remove to fresh air. If coughing and irritation develop, call a physician.

Eye Contact: Flush with large amounts of water until irritation subsides. See a physician if irritation persists.

Skin Contact: Wash with mild soap and warm water after each exposure. Remove grossly contaminated clothing and launder before re-use. If irritation or redness develops, see a physician.

Ingestion: If swallowed, CALL A PHYSICIAN IMMEDIATELY. Due to danger of aspiration, do not induce vomiting.

Note to Physician: In general, emesis is unnecessary in high viscosity, low volatility products, i.e., most oils and greases.

VI. REACTIVITY DATA

Stability: Product is stable under normal conditions.

Hazardous Polymerization: Cannot occur.

Incompatibility: Strong oxidizing agents, KOH, NaAlH₂, LiAlH₂, Chromic Acid.

Decomposition Products: Carbon Monoxide, Carbon Dioxide from burning. When heated to decomposition, fumes can react with oxidizing materials forming NO_x, SO_x, H₂S.

Conditions to avoid: Strong oxidizers

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Prevent entry to sewer or waterway. Mop up small spills with absorbent and discard in a tightly covered approved waste container. For large spills, dike area to prevent spread. Reclaim liquid by pumping into salvage tanks and clean up remainder with absorbent. Unless grossly contaminated, reclaimed material can be recycled.

Recycle when appropriate. If heavily contaminated or judged unsuitable for recycling, place waste in suitable approved container. Seal and properly label the waste container. Send the container to an approved Transportation, Storage and Disposal (TSD) facility via an approved waste hauler. Be sure manifests have been completed and an adequate "Paper trail" has been established.

VIII. HANDLING AND STORAGE

Storage Temperature: Store in well-ventilated areas at temperatures below 49°C (120°F)

Special Sensitivity: Do not store near oxidizers or sources of heat, sparks or flame.

Handling Precautions: Maintain containers upright with caps and bungs tightly secured. To maintain product usefulness, keep tops of containers free of water at all times. Do not store where container can be subject to rain or water.

Eye Protection: Wear safety goggles if splashing or spraying is expected.

Skin Protection: Wear coated gloves impervious to oils, wash clothing before reuse. Wear shoes with soles that are impervious to oils.

Respiratory Protection: Not normally required. However, when exposures over the PEL/TLV are encountered and engineering or other controls are not adequate to reduce airborne concentrations to below the PEL/TLV, use a half mask respirator with cartridges approved for use with organic vapors.

Hygienic Practices: Wash thoroughly before meals, breaks, and at the end of work period. Remove contaminated clothing and laundry before reuse. Do not use abrasive soaps or solvents.

IX. TRANSPORTATION INFORMATION

DOT Shipping Name: Not Regulated

DOT Label: None

DOT Hazard Class: None

UN/NA Number: None

Packaging Group: None

Flammability Class: N/A

X. DISCLAIMER

Observe good industrial hygiene and safety precautions when handling this product. We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.