

# Material Safety Data Sheet

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

## U.S. Department of Labor

Occupation Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

### IDENTITY

**JACK HAMMER CONCENTRATE (110140)**

*Note: Blank spaces are not permitted. If any item is not applicable, or no  
information is available; the space must be marked to indicate that.*

### Section I

Manufactured for: Beaver Research Company			Emergency Telephone Number 1-800-255-3924 (Chem Tel)	
Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Road, Portage, MI 49002			Telephone Number For Information 269-382-0133	
HMIS RATINGS: 0=Minimal 3=Serious 1=Slight 4=Extreme 2=Moderate	Health:	1	Date Prepared	
	Flammability	0	01/01/07	
	Reactivity:	0	Signature of Preparer (optional)	
	Personal Protection:	B		

### Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV	SARA 313	% (optional)
Organic Acid Salt	Proprietary	N/E	N/E	No	< 29.0
Isopropanol	67-63-0	400 ppm	400 ppm	No	< 2.0

### Section III – Physical/Chemical Characteristics

Boiling Point	>212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.15
Vapor Pressure (mm Hg)	N/E	Melting Point	N/A
Vapor Density (AIR = 1)	N/E	Evaporation Rate (Butyl Acetate = 1)	N/E
Solubility in Water Complete		pH Concentrate Acid	Total VOC N/A

Appearance and Odor

Clear, green liquid with mild odor.

### Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) No flash by standard methods.	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media

Use appropriate methods for combating surrounding fire.

Special Fire Fighting Procedures

Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demands mode.

Chemical resistant PPE is recommended.

Unusual Fire and Explosion Hazards

N/A

### Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid	High Temperature
	Stable	X		

Incompatibility (Materials to Avoid)

Alkalis, Chlorates, Nitrates, Aluminum & Mild Steel.

Hazardous Decomposition or Byproducts

CO<sub>2</sub>, C, N, C<sub>1</sub>, H<sub>2</sub>.

Hazardous	May Occur		Conditions to	N/A
Polymerization	Will Not Occur	X		

**Section VI – Health Hazard Data**

Primary Route(s) of Entry:	Inhalation?	Skin?	Eyes?	Ingestion?
		<b>X</b>	<b>X</b>	

Health Hazards (Acute and Chronic)

*Acute/Potential Health Effects:***Eyes:** Causes severe irritation, experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.**Skin:** Prolonged or repeated contact may cause irritation, local redness and defatting or drying of skin.**Inhalation:** High concentrations of mist may cause irritation of the respiratory tract.**Ingestion:** May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness*Chronic/Long term Effects:* None known.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A

Signs and Symptoms of Exposure

**Redness and burns to eyes;** dermal exposure may cause local redness.

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedure

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately**Skin:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.**Ingestion:** Seek medical attention immediately. Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.**Section VII – Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Prevent runoff from entering drains, sewers or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Waste Disposal Method

Wastes must be disposed of in accordance with federal, state and local environmental control regulations.

Precautions to be Taken in Handling and Storage

Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes, on skin or clothing. Store in a cool, dry place. Keep container closed when not in use. Avoid storing in metal containers.

Other Precautions

Keep out of reach of children.

**Section VIII – Control Measures**

Respiratory Protection (Specify Type)

When respiratory protection is required, use a particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.34 &amp; ANSI Z88.2 requirements.

Ventilation	Local Exhaust	N/A	Special	None.
	Mechanical (General)	Good general ventilation required.	Other	None.

Protective Gloves

To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).

Eye Protection

Wear safety glasses or goggles.

Other Protective Clothing or Equipment

Impervious clothing.

Work/Hygienic Practices

Use common sense and sound industrial hygiene practices when handling this product.

N/A=Not Applicable N/E=None Established

The manufacturer believes that the information contained in this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.