

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

ACID FELT CLEANER (110095)

*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	Health: 3 (Serious)	Date Prepared 01/27/99
RATINGS:	Flammability: 0 (Insignificant)	Signature of Preparer (optional)
	Reactivity: 0 (Minimal)	
	Protection: C (Safety glasses, gloves, apron)	

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	TLV	STEL	Carcinogen (OSHA, TP, IARC)	%
Phosphoric Acid	7664-38-02	1 mg/m ³	3 mg/m ³	none	20-25%

Section III - Physical/Chemical Characteristics

Boiling Point	210°F	Specific Gravity (H ₂ O = 1)	1.14
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Viscosity, Cp. @ 25°C	A-5 (Gardner)
Solubility in Water Complete	pH	<1	
	Total VOC	None	

Appearance and Odor

Colorless liquid, with mild odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) none	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media

N/A (product is non-flammable)

Special Fire Fighting Procedures

Avoid skin and eye contact, and breathing of acid vapors. Wear head and body protection and acid respirator if exposure to liquid is likely.

Unusual Fire and Explosion Hazards

N/A

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	N/A
	Stable		

Incompatibility (Materials to Avoid)

Strong alkalis, materials not resistant to strong acids, active metals (zinc, aluminum, magnesium, etc.).

Hazardous Decomposition or Byproducts

Possible phosphorus oxide fumes at fire temperatures. Contact with active metals can release flammable gas.

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

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	No

Health Hazards (Acute and Chronic)

Inhalation: Breathing of vapor can cause respiratory irritation and inflammation. **Skin:** Corrosive. Causes irritation and burns. **Eyes:** Corrosive. Causes eye damage. **Ingestion:** Corrosive. Causes irritation and burning in mouth and throat. Avoid swallowing.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

None.

Emergency and First Aid Procedure

Inhalation: Remove party to fresh air and give artificial respiration or oxygen if needed. Get medical attention. **Skin:** Flush skin with water for 15 minutes. Get medical attention if irritation persists. **Eyes:** Provide convenient eyewash stations. Flush immediately with water for 15 minutes. Get prompt medical attention. **Ingestion:** If swallowed, drink lots of water or, preferably, milk. Get medical attention if effects persist. Do not induce vomiting.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with alkali before collection and disposal. Personnel should use eye and skin protection.

Waste Disposal Method

If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste.

Precautions to be Taken in Handling and Storage

Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and alkali (caustic soda, lime, etc.) convenient. Only use containers and equipment designed for acid service. Use a respirator if area is poorly ventilated. **Empty containers:** Rinse well before handling and disposal.

Other Precautions

Areas of use and storage should be ventilated adequately to reduce vapors below odor level.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

If necessary, wear approved acid vapor/mist respirator if exposure is likely.

Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical(General)	Adequate	Other	N/A

Protective Gloves

Acid resistant protective gloves.

Eye Protection

Splash proof goggles or side shield safety glasses.

Other Protective Clothing or Equipment

Provide convenient safety showers and eyewash stations.

Work/Hygienic Practices

N/A

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, Beaver Research Company cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability for its use.