

# 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 <b>BATTERY TERMINAL CLEANER (120010)</b>	<i>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.</i>
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<b>Section I</b>	<b>D.O.T. Hazard Class: Consumer Commodity, ORM-D</b>
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Manufacturer's Name <b>Beaver Research Company</b>	Emergency Telephone Number <b>1-800-255-3924 (Chem-Tel)</b>
Address (Number, Street, City, State, and ZIP Code) <b>3700 E. Kilgore Road, Portage, MI 49002</b>	Telephone Number For Information <b>1-800-544-0133</b>
HMIS RATING: (Based on Aerosol Concentrate): 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Extreme HEALTH.....1                      REACTIVITY.....1 FIRE.....0                      PERSONAL PROTECTION.....B	Date Prepared <b>03/25/03</b> Signature of Preparer (optional)

<b>Section II - Hazardous Ingredients/Identity Information</b>
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Hazardous Components (Specific Chemical Identity; Common Name(s))	PEL	TWA/ TLV	313/Chem	% (optional)
Ethylene Glycol Monobuty Ether (111-76-2)	50 ppm	50 ppm	Yes	01-05
Liquified Petroleum Gas (68476-85-7)	1000ppm	1000ppm	No	05-10

<b>Section III - Physical/Chemical Characteristics</b>
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Boiling Point	140°F	Specific Gravity (H2O = 1) @ 70°F:	1.046
Vapor Pressure of can (psig @ 70°F)	55	Total VOC %	8%
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water <b>Complete</b>	pH <b>9.77</b>		
Appearance and Odor <b>Orange Liquid/Ammonia Odor</b>			

<b>Section IV - Fire and Explosion Hazard Data</b>
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Flash Point (Method Used) <b>None to boiling</b>	Flammable Limits <b>Non-Flammable Spray</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media <b>Foam, CO2, Dry Media</b>			
Special Fire Fighting Procedures <b>Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.</b>			
Unusual Fire and Explosion Hazards <b>Exposure to temperatures above 120°F may cause bursting.</b>			

<b>Section V - Reactivity Data</b>
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Stability	Unstable	X	Conditions to Avoid <b>None</b>
	Stable		
Incompatibility (Materials to Avoid) <b>Avoid contact with strong oxidizing agent and nitrous compound.</b>			
Hazardous Decomposition or Byproducts <b>Carbon Dioxide, Carbon Monoxide</b>			
Hazardous Polymerization	May Occur	X	Conditions to Avoid <b>None</b>
	Will Not Occur		

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	--	Yes

Health Hazards (Acute and Chronic)

**Eyes:** May cause slight irritation but does not injure eye tissue.**Skin:** Frequent or prolonged contact may cause irritation.**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

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

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedure

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately. **Skin:** Wash with soap and water. If irritation persists seek medical attention. **Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration. **Ingestion:** Do not induce vomiting. Seek medical attention immediately.

**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping.

Dispose of soaked absorbent material in accordance with Federal, State and local laws.

Waste Disposal Method

Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

Precautions to be Taken in Handling and Storage

KEEP OUT OF THE REACH OF CHILDREN. For Industrial &amp; Institutional Use Only. Store in a cool, dry area away from heat or open flame. Do not store at temperatures above 120°F. NFPA Code 30B Rating: Level 1 Aerosol.

Other Precautions

N/A

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

None needed for proper use in accordance with label directions.

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

Protective Gloves

None needed for proper use in accordance with label directions.

Other Protective Clothing or Equipment

**Eye Protection:** None needed unless it is anticipated that a splash or sprayback will occur, then wear safety glasses.

Work/Hygienic Practices

**No smoking.**

*The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.*

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