

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

BATTERY TERMINAL CLEANER (120010)

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

D.O.T. Hazard Class: Consumer Commodity, ORM-D

Manufacturer's Name

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

1-800-544-0133

HMIS RATING: (Based on Aerosol Concentrate): 0-Minimal; 1-Slight;
2-Moderate; 3-Serious; 4-Extreme

Date Prepared

04/18/12

HEALTH.....1 REACTIVITY.....0

Signature of Preparer (optional)

FIRE.....2 PERSONAL PROTECTION.....B

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	PEL	TWA/ TLV	313/Chem	% (optional)
Ethylene Glycol Monobutyl Ether (111-76-2)	50 ppm	50 ppm	Yes	1 - 10
Liquified Petroleum Gas (68476-86-8)	1000ppm	1000ppm	No	1 - 10

Section III - Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H2O = 1) @ 70°F:	1.046
Vapor Pressure of can (psig @ 70°F)	55	Total VOC %	6.3%
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Complete	pH	9.7
Appearance and Odor	Foaming Orange Liquid/Ammonia Odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammability	LEL	UEL
None to boiling (212°F - T.O.C.)	Non-Flammable Spray	N/A	N/A
Extinguishing Media	Foam, CO2, Dry Media		
Special Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.		
Unusual Fire and Explosion Hazards	Exposure to temperatures above 120°F may cause bursting.		

Section V - Reactivity Data

Stability	Unstable	X	Conditions to Avoid	None
	Stable			
Incompatibility (Materials to Avoid)	Avoid contact with strong oxidizing agents and nitrous compounds.			
Hazardous Decomposition or Byproducts	Carbon Dioxide, Carbon Monoxide			
Hazardous Polymerization	May Occur	X	Conditions to Avoid	None
	Will Not Occur			

Section VI - Health Hazard Data

Primary Routes of Entry & Effects of Over Exposure

Eyes: May cause irritation. May aggravate existing conditions.
Skin: Frequent or prolonged contact may cause irritation. May aggravate existing conditions.
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 pulmonary injury.

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. No smoking. 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 & 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

Use chemical resistant gloves if hand contact will be made.

Eye Protection

Wear safety glasses or chemical proof goggles.

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

N/A

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.