

# 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

**BEAVER BOLT BUSTER (966) (120462)**

*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: <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>269-382-0133</b>	
HMIS RATINGS: 4=Extreme 1=Slight 3=Serious 0=Minimal 2=Moderate	Health:	2	Date Prepared <b>07/18/00</b> Signature of Preparer (optional)
	Flammability:	3	
	Reactivity:	0	
	Protective Equipment:	B	

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	Exposure Limits (LD50-Oral Rat)	SARA Title III Sec 313	ACGIH TLV/TWA	OSHA PEL	% by Wt.
Deodorized kerosene (CAS mixture)	N/A	N/A	N/A	N/A	30-40
*Trichloroethylene (CAS#79-01-6)	>4.9 g/kg	Yes	50	100	50-60
Barium compounds (CAS#N/A)	4.8 g/kg	Yes	N/A	N/A	1-3
Carbon Dioxide (CAS#124-38-9)	N/A	No	5,000	10,000	1-3

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard.

**Components Listed As A Suspected Carcinogen:** \*The International Agency for Research on Cancer (IARC) has determined that Trichloroethylene may cause cancer in humans based on animal data. California Proposition 65 - This product contains a chemical known to the state of California to cause cancer.

### Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	>1.0
Vapor Pressure (psig)	90(+/-10)@130°F	Melting Point	N/A
Vapor Density (AIR = 1)	>1	Evaporation Rate (Ether = 1)	<1
Solubility in Water	Negligible	pH	N/A
Appearance and Odor	Clear brown liquid/chlorinated odor.		
		Total VOC: 92.1%	

### Section IV - Fire and Explosion Hazard Data

Aerosol Flammability: this product is considered to be non flammable as described in 16CFR 1500.45.

Flash Point (Method Used)	Flammable Limits	LEL	UEL
None	% Volume in air (Trichloroethylene)	8.0	10.5 @ 77°F

Trichloroethylene vapors concentrated in a confined or poorly ventilated area can be ignited upon contact with a high energy spark, flame, or high intensity of heat.

Extinguishing Media

Carbon dioxide, foam and/or dry chemical may be used.

Special Fire Fighting Procedures

Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards

At elevated temperatures (over 54°C-130°F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

### Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	N/A
	Stable		
		X	

Incompatibility (Materials to Avoid)

Oxidizing agents.

Hazardous Decomposition or Byproducts

Hydrogen chloride, phosgene, oxides of carbons and additional toxic chemicals may be formed in small amounts.

Hazardous	May Occur	Conditions to Avoid	Do not store above 54C-130F. Keep away from heat, direct sunlight, open
-----------	-----------	------------------------	--

Polymerization N/A	Will Not Occur		flames or sparks. Dropping of containers may cause bursting.
-----------------------	-------------------	--	--

## Beaver Bolt Buster - Page 2

07/18/00

### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes
Health Hazards (Acute and Chronic)			
N/A			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No
Signs and Symptoms of Exposure			
N/A			
Medical Conditions Generally Aggravated by Exposure			
Pre-existing skin or eye disorders may be aggravated by exposure to this product.			

#### Emergency and First Aid Procedure

**Eye Contact:** Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists. **Skin Contact:** Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. **Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. **Ingestion:** Get medical attention.

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

#### Steps to be Taken in Case Material is Released or Spilled

Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

#### Waste Disposal Method

Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

#### Precautions to be Taken in Handling and Storage

Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130°F (54°C). Store as Level 2 Aerosol (NFPA 30B).

#### Other Precautions

Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

### Section VIII - Control Measures

#### Respiratory Protection (Specify Type)

None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec.II), use a NIOSH approved respirator to prevent overexposure.

Ventilation	Local Exhaust	Adequate	Special	N/A
	Mechanical(General)	Optional	Other	N/A
Protective Gloves			Eye Protection	
Chemical resistant gloves*.			Chemical safety glasses are recommended.*	
Other Protective Clothing or Equipment				
Wear impervious clothing to prevent skin contact.				

#### Work/Hygienic Practices

Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

**Governmental Listings:** Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

**Shipping Name:** Consumer Commodity

**Hazard Class:** ORM-D

NG=Negligible N/A=Not Applicable NE=Not Established UN--Unavailable N/D=Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.