

# 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

**BEA COIL (120456)**

*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>
NFPA/HMIS RATINGS:	Health: 1/1	Date Prepared <b>08/07/96</b>
	Fire: 1/1	Signature of Preparer (optional)
Reactivity: 0/0		
Personal Protection: 0/B		

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL (PPM)	ACGIH TLV(ppm)	Carcinogen Ref. Source**	SARA III LIST
Isobutane	75-28-5	800	800	d	No
Propane	74-98-6	1000	1000	d	No

## Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.027
Vapor Pressure (mmHg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/E	Evaporation Rate (Butyl Acetate = 1)	N/E
Solubility in Water	pH	N/A	
Completely soluble.	Total VOC		
Appearance and Odor	White foam with lemon fragrance.		

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits Non-flammable	LEL N/E	UEL N/E
Extinguishing Media Foam, dry chemical, carbon dioxide.	Special Fire Fighting Procedures Self-contained breathing apparatus.		
Unusual Fire and Explosion Hazards Do not expose aerosols to temperatures above 130°F or the container may rupture.			

## Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	N/A
	Stable	X	
Incompatibility (Materials to Avoid) Strong oxidizers.	Hazardous Decomposition or Byproducts Carbon monoxide, carbon dioxide.		
Hazardous Polymerization	May Occur	Conditions to Avoid	Open flame, welding arcs, heat.
	Will Not Occur	X	

**Section VI - Health Hazard Data**

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

Health Hazards (Acute and Chronic)

**Acute Effects:** **Eyes:** Irritation. **Skin:** Mild irritation. **Inhalation:** Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness. **Ingestion:** Possible chemical pneumonitis if aspirated into lungs. Nausea.

**Chronic Effects:** (Effects due to excessive exposure to the raw materials of this mixture.) May cause diarrhea, vomiting, gastrointestinal irritation. Lab animals have experienced anemia, liver, kidney, lung, blood damage to Glycol Ether EB.

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

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

May aggravate existing eye, skin or upper respiratory conditions.

Emergency and First Aid Procedure

**Eyes:** Flush with water for 15 minutes. If irritated, seek medical attention.**Skin:** Wash with soap and water. If irritated, seek medical attention.**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention.**Ingestion:** DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Absorb with suitable medium. incinerate or landfill according to local, state or Federal regulations. DO NOT FLUSH TO SEWER.

Waste Disposal Method

Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

Precautions to be Taken in Handling and Storage

Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.

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

Protective Gloves

Latex, if skin easily irritated.

Eye Protection

Safety glasses recommended.

Other Protective Clothing or Equipment

None.

Work/Hygienic Practices

Wash with soap and water before handling food. Remove contaminated clothing.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only