

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

57 B DEGREASER (210210)

*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

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 269-382-0133	
NFPA Ratings: 4=Extreme 1=Slight 3=High 0=Insignificant 2=Moderate	Health: 0	Date Prepared 12/26/99	
	Flammability: 1	Signature of Preparer (optional)	
	Reactivity: 2		
	Special Protection: 0		

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Diethanolamine	111-42-2	N/A	0.46ppm (skin)	NIOSH REL= 3ppm TWA	

This product contains toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Right-to-Know Act of 1986 and of 40 CFR 372.

Section III - Physical/Chemical Characteristics

Boiling Point	360°F-410°F	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	30@R.T.	% Volatile by Volume (%)	94.5
Vapor Density (AIR = 1)	5.0	Evaporation Rate (Butyl Acetate = 1)	0.1
Solubility in Water Negligible	pH N/A		
Appearance and Odor Brown liquid; mild hydrocarbon odor. Slight citrus fragrance.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 130°F	Flammable Limits	LEL 0.9	UEL 7.0
Extinguishing Media CO2, dry chemical, alcohol foam, water mist (fog).			
Special Fire Fighting Procedures Use SCBA, wear protective equipment.			
Unusual Fire and Explosion Hazards None			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	Heat, sparks, open flame.
	Stable	X		
Incompatibility (Materials to Avoid)				
Strong oxidizers.				
Hazardous Decomposition or Byproducts				
CO & CO2				
Hazardous	May Occur		Conditions to Avoid	None
Polymerization	Will Not Occur	X		

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			
Dizziness, nausea, headaches, vomiting, dryness of the skin, irritation to the eyes and skin.			
Medical Conditions Generally Aggravated by Exposure			
N/A			
Emergency and First Aid Procedure			
Do not induce vomiting, move to fresh air, resuscitate if necessary, wash thoroughly, flush eyes for 15 minutes.			

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	
Contain spill; provide adequate ventilation; keep people away; extinguish all ignition sources; keep material out of public waters; use dry absorbent on small spills.	
Waste Disposal Method	
Incinerate according to all federal, state and local regulations.	
Precautions to be Taken in Handling and Storage	
Store in dry, cool area; keep containers closed; use adequate ventilation; wash thoroughly after handling; use protective clothing; no ignition sources present.	
Other Precautions	
Can ignite when ignition source is present.	

Section VIII - Control Measures

Respiratory Protection (Specify Type)			
NIOSH approved organic vapor cartridge.			
Ventilation	Local Exhaust	preferred	Special N/A
	Mechanical(General)	acceptable	Other N/A
Protective Gloves		Eye Protection	
Rubber or neoprene.		Safety glasses or goggles.	
Other Protective Clothing or Equipment			
Rubber apron and boots.			
Work/Hygienic Practices			
N/A			

All information contained in this data sheet is believed to be true and accurate at this time. However, there is not guarantee expressed or implied.