

# 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 A DEGREASER (210110)**

*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:** Combustible liquid (regulated in bulk only)

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

NFPA 4=Extreme, 3= Serious,  
2=Moderate, 1=Slight, 0=Insign.

HMIS Ratings: 4=Extreme, 3=Serious  
2=Moderate, 1=Slight, 0=Minimal

Date Prepared

12/23/99

Toxicity-0 Fire-1

Health-1 Flammability-2 Reactivity-0

Signature of Preparer (optional)

Reactivity-2 Special-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	
(D-60) Solvent Naphtha, Medium Aliphatic	64742-88-7	N/A	N/A	manufacturer recommends  200ppm total hydrocarbon as occupational exposure limit	

This product does not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR Part 372.

## Section III - Physical/Chemical Characteristics

Boiling Point	360°-410°F	Specific Gravity (H <sub>2</sub> O = 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)	<1

Solubility in Water

Negligible

Appearance and Odor

Dark liquid, mild hydrocarbon odor.

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 145°F (TCC)	Flammable Limits Volume % in Air	LEL 0.9	UEL 7.0
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Extinguishing Media

CO<sub>2</sub>, 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 and CO<sub>2</sub>

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)

Dizziness, nausea, headaches, vomiting, dryness of the skin, irritation to the eyes and skin.

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

Signs and Symptoms of Exposure

See Health Hazards above.

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

Rubber or neoprene

Eye Protection

Safety glasses or goggles

Other Protective Clothing or Equipment

Rubber apron and boots; eye bath, safety shower.

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 no guarantee expressed or implied.  
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