

# 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

**DG-27 (250275)**

*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: 0-Minimal 3-Serious 1-Slight 4-Extreme 2-Moderate	Health: Fire: Reactivity: Personal Protection:	Date Prepared <b>12/27/99</b> Signature of Preparer (optional)

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Sodium Hydroxide</b>	<b>1310-73-2</b>	<b>2mg/m<sup>3</sup> (ceiling)</b>	<b>2mg/m<sup>3</sup> (ceiling)</b>	<b>IDLH=10mg/m<sup>3</sup></b>	

## Section III - Physical/Chemical Characteristics

Boiling Point	210°F	Specific Gravity (H <sub>2</sub> O = 1)	1.058
Vapor Pressure (mmHg)	Like water	Melting Point	N/A
Vapor Density (AIR = 1)	Like water	Evaporation Rate (Butyl Acetate = 1)	Like water
Solubility in Water <b>Complete</b>	pH	13.2	
Appearance and Odor <b>Amber liquid -- characteristic odor.</b>			

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) <b>None (T.C.C.)</b>	Flammable Limits <b>N/A</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media <b>Use media proper to primary cause of fire.</b>			
Special Fire Fighting Procedures <b>Air supplied respirators should be available for fire fighters.</b>			
Unusual Fire and Explosion Hazards <b>None.</b>			

## Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	<b>None</b>
	Stable		
Incompatibility (Materials to Avoid) <b>Strong acids or oxidizers.</b>			
Hazardous Decomposition or Byproducts <b>None known.</b>			
Hazardous Polymerization	May Occur	Conditions to Avoid	<b>None.</b>
	Will Not Occur		

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

May cause allergic skin reaction in sensitive persons.

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

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedure

**Eyes & Skin:** Immediately flush with large amounts of water, occasionally holding eyelids open.

**Inhalation of vapor:** Remove to fresh air and rest.

**Ingestion:** If conscious, give several glasses of water.

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

Steps to be Taken in Case Material is Released or Spilled

Collect or dilute and flush to sewer if allowed by local regulations.

Waste Disposal Method

Flush to sewer if allowed by local regulations.

Precautions to be Taken in Handling and Storage

N/A

Other Precautions

N/A

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

Sufficient to prevent excursion above TLV.

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

Protective Gloves

Rubber or plastic.

Eye Protection

Safety glasses or goggles.

Other Protective Clothing or Equipment

Full cover clothing recommended.

Work/Hygienic Practices

N/A

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