

# 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

**NB-430 (250105)**

*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:	Health:	2	Date Prepared <b>08/21/99</b>
	Flammability:	0	Signature of Preparer (optional)
	Reactivity:	0	
	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)
Water	7732-18-5	N/E	N/E	N/E	
Sodium Metasilicate	6834-92-0	N/E	N/E	N/E	
Nonionic Surfactants	9036-19-5	N/E	N/E	N/E	

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

### Section III - Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.038
Vapor Pressure (mm Hg)	<30	Melting Point	N/A
Vapor Density (AIR = 1)	<1	Evaporation Rate (Butyl Acetate = 1)	<0.4
Solubility in Water	pH	12.4-12.9	
Complete	Total VOC	N/A	
Appearance and Odor			
Clear green liquid -- bland odor.			

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) <b>N/A</b>	Flammable Limits <b>N/A</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media <b>Use media proper to the primary cause of fire.</b>			
Special Fire Fighting Procedures <b>None</b>			
Unusual Fire and Explosion Hazards <b>None</b>		DOT Hazard Classification <b>Non-hazardous.</b>	

### Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	N/A
	Stable	X		
Incompatibility (Materials to Avoid)				
None.				
Hazardous Decomposition or Byproducts				
None.				
Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Alkaline liquid.	Yes	N/A	Yes

Health Hazards (Acute and Chronic)

**Eyes:** May cause burns, irritation, redness, tearing. **Skin:** May cause skin irritation with prolonged or repeated exposure. **Ingestion:** Irritant to gastrointestinal tract. **Inhalation:** May irritate respiratory tract.

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

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedure

**Eyes:** Flush with large amounts of water for 15 minutes holding eyelids open. **Skin:** Wash with mild soap and water.

**Ingestion:** Drink two large glasses of water. **DO NOT** induce vomiting. Call a physician.

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

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

Steps to be Taken in Case Material is Released or Spilled

Stop spill at source, collect and reuse salvageable material. Flush residue with large amount of water to sewer.

Treatable in ordinary sewage treatment facility.

Waste Disposal Method

Flush to drain with large amounts of water if permitted by federal, state and local regulations.

Precautions to be Taken in Handling and Storage

Harmful if swallowed. Do not get concentrate in eyes.

Other Precautions

Keep out of the reach of children.

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

None.

Ventilation	Local Exhaust	None	Special	N/A
	Mechanical(General)	Satisfactory	Other	N/A

Protective Gloves

Rubber or plastic.

Eye Protection

Avoid splashing in eyes.

Other Protective Clothing or Equipment

Full cover clothing.

Work/Hygienic Practices

Wash thoroughly after handling.