



# BRUTE II, Extra Heavy Duty Foam Cleaner

## 4. FIRST AID MEASURES

NOTES TO PHYSICIAN: None.

## 5. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** (F): None to boiling (C): None to boiling  
**METHOD:** TCC

**FLAMMABLE LIMITS IN AIR**  
**LOWER (%):** No data  
**UPPER (%):** No data

**SENSITIVITY TO MECHANICAL IMPACT(Y/N):** NO  
**SENSITIVITY TO STATIC DISCHARGE:** Sensitivity to static discharge is not expected.  
**SUITABLE EXTINGUISHING MEDIA:** Product will not burn.  
**FIRE FIGHTING PROCEDURES:** Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

### SPILL PROCEDURES:

**SMALL SPILLS:** Pick up with absorbant material. Flush residue with water.  
**LARGE SPILLS:** Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

**PERSONAL PRECAUTIONS:** Not applicable  
**ENVIRONMENTAL PRECAUTIONS:** Not applicable  
**METHODS FOR CLEANING UP:** Not applicable

## 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Danger: Corrosive. Do not reuse container. Store in a cool, dry area. Keep container closed. Avoid contact with eyes, skin and clothing.  
**OTHER PRECAUTIONS:** Keep out of reach of children.  
**SPECIFIC USE(S):** Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



**EXPOSURE CONTROLS:** None known.  
**RESPIRATORY PROTECTION:** Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.  
**PROTECTIVE GLOVES:** Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.  
**EYE PROTECTION:** Safety glasses are recommended to minimize eye contact.  
**OTHER PERSONAL PROTECTION EQUIPMENT:** Appropriate protective clothing as needed to prevent skin contact. Rubber boots. Rubber apron. Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.  
**VENTILATION:** General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Clear brown liquid. Mild odor.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT (F):</b>	Not determined	(C) Not determined
<b>VAPOR PRESSURE:</b>	Not determined	
<b>VAPOR DENSITY (AIR=1):</b>	Not determined	
<b>SOLUBILITY IN WATER:</b>	Not determined	
<b>SPECIFIC GRAVITY:</b>	1.44 - 1.46	
<b>BULK DENSITY:</b>	12.11 lbs/gal	
<b>VOC Content (%):</b>	0	
<b>EVAPORATION RATE:</b>	Not determined	
<b>PH:</b>	Not determined	

### 10. STABILITY AND REACTIVITY

<b>STABILITY DATA:</b>	STABLE
<b>POLYMERIZATION:</b>	Will Not Occur.
<b>HAZARDOUS DECOMPOSITION:</b>	Oxides of Carbon. Oxides of Nitrogen.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Contact with acids. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.
<b>CONDITIONS/HAZARDS TO AVOID:</b>	None anticipated

### 11. TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY:</b>	Not Established
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	Not established.
<b>OTHER TOXIC EFFECTS:</b>	Not established.

### 12. ECOLOGICAL INFORMATION

<b>ECOTOXICOLOGICAL INFORMATION:</b>	No data at this time
<b>CHEMICAL FATE INFORMATION:</b>	No data at this time.
<b>MOBILITY:</b>	Not applicable.
<b>PERSISTENCE/DEGRADABILITY:</b>	Not applicable
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not applicable
<b>OTHER ADVERSE EFFECTS:</b>	Not applicable

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** Dispose in accordance with Federal, State and Local regulations.

### 14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

### 15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
SODIUM HYDROXIDE 1310-73-2	30 - 40	Listed	Listed	Listed	Not Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	Listed	Listed	Listed	Not Listed
Alkyl Polyglycoside 68515-73-1	1 - 5	Listed	Not Listed	Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	30 - 40	1000 lb 454 kg	Not Listed	Not Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	1000 lb 454 kg	Not Listed	Not Listed
Alkyl Polyglycoside 68515-73-1	1 - 5	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	30 - 40	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
SODIUM HYDROXIDE 1310-73-2	30 - 40	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
SODIUM HYDROXIDE 1310-73-2	30 - 40	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
SODIUM HYDROXIDE 1310-73-2	30 - 40	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	Listed

### 16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

\*\*\* END OF MSDS \*\*\*