

SAFETY DATA SHEET

Foaming Degreaser

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : **FOAMING DEGREASER**

Other Means of Identification : Not applicable

Recommended Use : Foaming degreaser

Restrictions on Use : For Industrial and professional use

Company : Advanced Chemical Solutions
216 Moore Lane
Billings, MT 59101

Emergency telephone : (406)-252-7408

Poison control center : (800)-222-1222

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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion : Category 1A

Serious eye damage : Category 1

Corrosive to metals : Category 1

GHS Label element

Hazard pictogram :



Signal Word : **Danger**

Hazard Statements : Causes severe skin burns and eye damage.
May be corrosive to metals.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove /Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.
Storage:
Store locked up.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

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Other Hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
Sodium hydroxide	1310-73-2	1-5
2-butoxyethanol	111-76-2	1-5

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothes before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If Swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If Inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to Physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See section 11 for more detailed information on health effects and symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known

Specific hazards arising from the chemical : Not flammable or combustible

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)
Oxides of phosphorus

Special protective equipment : Use personal protective equipment.

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for fire-fighters

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in section 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not Breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.
SAFETY REMINDER:
*Never pour product into unlabeled containers.
*Use only for recommended uses. Read label.
*Never take product home. Use only in workplace.

Conditions for Safe Storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage Temperatures : 0°C to 50°C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2mg/m ³	ACGIH TLV
		Ceiling	2mg/m ³	NIOSH REL
		TWA	2mg/m ³	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

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Eye protection	:	Safety goggles Face-shield
Hand protection	:	Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	:	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.
Respiratory protection	:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hygiene Measures	:	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Color	:	Orange(Dark)
Odor	:	alcohol-like
pH	:	12.78 to 13.78, 100 %
Flash Point	:	> 100° C
Odor Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Specific gravity	:	1.06
Relative density	:	1.037 to 1.067 (Water)
Water solubility	:	Complete
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Thermal decomposition	:	No data available

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Viscosity, kinematic	:	Dynamic (room temperature): 500 mPa-s (500 cP)
Explosive properties	:	No data available
Oxidizing properties	:	None
Molecular weight	:	No data available
VOC	:	None

SECTION 10.

STABILITY AND REACTIVITY

Chemical Stability	:	Stable under normal conditions
Possibility of Hazardous Reactions	:	No dangerous reactions known under conditions of normal use.
Conditions to Avoid	:	None known
Incompatible materials	:	Acids Metals
Hazardous Decomposition Products	:	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus

SECTION 11.

TOXICOLOGICAL INFORMATION

Information on likely routes of Exposure	:	Inhalation, Eye contact, Skin contact
Potential Health Effects		
Eyes	:	Causes serious eye damage.
Skin	:	Causes severe skin burns.
Ingestion	:	Causes digestive tract burns.
Inhalation	:	May cause nose, throat, and lung irritation.
Chronic Exposure	:	Data not available or insufficient for classification.
Experience with human exposure		
Eye contact	:	Redness, Pain, Corrosion
Skin contact	:	Redness, Pain, Corrosion
Ingestion	:	Corrosion, Abdominal pain
Inhalation	:	Respiratory irritation, Cough
Toxicity		
Acute oral toxicity	:	No data available
Acute inhalation toxicity	:	No data available

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Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
- RCRA – Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

SECTION 14. TRANSPORT INFORMATION

This shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land Transport (DOT)

- UN number : 1719
- DOT Proper Shipping Name : CAUSTIC ALKALI LIQUIDS, N.O.S. (SODIUM HYDROXIDE)
- Class : 8
- Packing Group : II
- Environmentally hazardous : no

Sea Transport (IMDG/IMO)

- UN number : 1719
- Description of the goods : CAUSTIC ALKALI LIQUIDS, N.O.S. (SODIUM HYDROXIDE)
- Class : 8
- Packing Group : II
- Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

EPCRA – Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium hydroxide	1310-73-2	1000	25000

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SARA 304 Extremely Hazardous Substance Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	:	Acute Health Hazard			
SARA 302	:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.			
SARA 313	:	The following components are subject to reporting levels established by SARA Title III, Section 313:			
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">2-(Butoxyethanol)</td> <td style="width: 20%; text-align: center;">111-76-2</td> <td style="width: 20%; text-align: right;">2.0%</td> </tr> </table>	2-(Butoxyethanol)	111-76-2	2.0%
2-(Butoxyethanol)	111-76-2	2.0%			

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive effects.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

On TSCA Inventory

Canadian Domestic Substances List (DSL) :

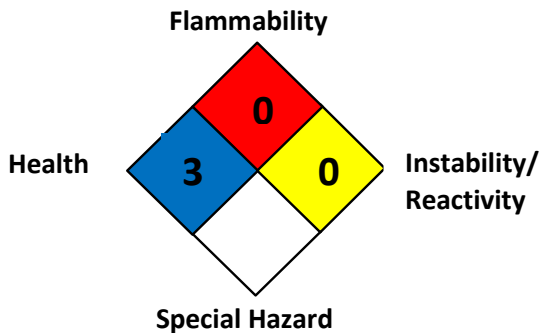
All components of this product are on the Canadian DSL.

SECTION 16. OTHER INFORMATION

Hazardous Material Information System (U.S.A)

Health	3
Flammability	0
Physical Hazards	0

NFPA:



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Version	:	1.0
Prepared by	:	Specialty Chemicals & Systems

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Notice to reader

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, Use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality Specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.