

# MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Foam Brite (4178-01, 4178-05, 4178-08) **Product name** 

CAS# Mixture

**Product Use** Coil Cleaner / Degreaser

Manufacturer Nu-Calgon

2008 Altom Court St. Louis, MO 63146 US

Phone: 314-469-7000 / 800-554-5499

Emergency Phone: 1-800-424-9300 (CHEMTREC)

#### 2. Hazards Identification

DANGER **Emergency overview** 

CAUSES EYE BURNS. CAUSES SKIN BURNS.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Causes chemical burns. May cause blindness. **Eyes** 

Causes chemical burns. Harmful contact may not cause immediate pain. Skin

Inhalation May cause respiratory tract irritation or chemical burns.

Ingestion Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Eyes. Respiratory system. Skin. **Target organs** 

**Chronic effects** Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

The product causes burns of eyes, skin and mucous membranes. Signs and symptoms

Potential environmental effects Components of this product have been identified as having potential environmental concerns.

## 3. Composition/Information on Ingredients

Components	CAS#	Percent
Sodium hydroxide	1310-73-2	10 - 30
Alkyl polyglycoside	110615-47-9	1 - 5

## 4. First Aid Measures

First aid procedures

Eve contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for

15 minutes. Obtain medical attention immediately.

Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Skin contact

Discard or wash well before reuse. Obtain medical advice immediately.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of Ingestion

aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical

attention.

Notes to physician Treat patient symptomatically.

**General advice** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical

> personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of

reach of children.

## 5. Fire Fighting Measures

Flammable properties

Not flammable by WHMIS criteria.

**Extinguishing media** 

Suitable extinguishing

media

Water spray. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing

media

Not available

**Protection of firefighters** 

Specific hazards arising

from the chemical

Protective equipment for firefighters

Not available

Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion** 

products

May include and are not limited to: Oxides of carbon.

**Explosion data** 

Sensitivity to mechanical

impact

Sensitivity to static

discharge

Not available.

Not available.

#### 6. Accidental Release Measures

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch Personal precautions

damaged containers or spilled material unless wearing appropriate protective clothing. Keep

people away from and upwind of spill/leak.

**Environmental precautions** 

**Methods for containment** 

Do not discharge into lakes, streams, ponds or public waters.

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or

confined areas.

Methods for cleaning up Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with

non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never

return spills to original containers for re-use.

# 7. Handling and Storage

Handling Do not get in eyes, on skin or on clothing.

Avoid breathing vapours or mists of this product.

Use good industrial hygiene practices in handling this material.

Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling.

Keep out of the reach of children. Storage

Store in a closed container away from incompatible materials.

# 8. Exposure Controls/Personal Protection

#### Occupational exposure limits

**US. ACGIH Threshold Limit Values** 

Components Type Value Ceiling 2 mg/m3 Sodium hydroxide (CAS

1310-73-2)

Chemicals listed in section 3 that are not listed here do not have established limit values for **Exposure limits** 

ACGIH.

General ventilation normally adequate. **Engineering controls** 

Personal protective equipment

**Eye/Face protection** Wear chemical goggles.

Rubber gloves. Confirm with a reputable supplier first. Hand protection

As required by employer code. Skin and body protection Avoid breathing mists or vapours. Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. considerations

# 9. Physical and Chemical Properties

Liquid **Appearance** Yellow Colour

**Form** Liquid

Odour Characteristic **Odour threshold** Not available.

Liquid. Physical state

pН 14 (Concentrate)

Freezing point 0 °C (32 °F) 100 °C (212 °F) **Boiling point** Not available. Pour point **Evaporation rate** Not available None to boiling Flash point **Auto-ignition temperature** Not available Not available

Flammability Limits in Air,

Upper, % by Volume

Not available

Flammability Limits in Air, Lower, % by Volume

Not available. Heat of combustion Not available. Vapour pressure Not available Vapour density Specific gravity Not available.

**Partition coefficient** (n-octanol/water)

Not available

Solubility (Water) Complete Relative density Not available. Not available. **Viscosity** VOC Not available

77 Percent volatile

## 10. Stability and Reactivity

Reactivity Reacts violently with acids.

This product may react with oxidizing agents.

Possibility of hazardous

reactions

Hazardous polymerisation does not occur.

**Chemical stability** Stable under recommended storage conditions.

Conditions to avoid Do not mix with other chemicals.

Incompatible materials Acids. Oxidizing agents.

**Hazardous decomposition** 

products

May include and are not limited to: Oxides of carbon.

# 11. Toxicological Information

## Toxicological data

Components **Test results Species** 

Alkyl polyglycoside (CAS 110615-47-9)

Acute

Dermal

LD50 > 2000 mg/kg Rabbit

Inhalation

LC50 Not available

Oral

LD50 Rat > 5000 mg/kg

**Test results** Components **Species** 

Sodium hydroxide (CAS 1310-73-2)

Acute

Dermal

LD50 Rabbit 1350 mg/kg

Inhalation

LC50 Not available

Oral

LD50 Not available

Effects of acute exposure

Causes chemical burns. May cause blindness. Eye contact

Not available.

Causes chemical burns. Harmful contact may not cause immediate pain. Skin contact

Inhalation May cause respiratory tract irritation or chemical burns.

Harmful if swallowed. May cause chemical burns to mouth, throat and stomach. Ingestion

Non-hazardous by WHMIS criteria. Sensitisation **Chronic effects** Non-hazardous by WHMIS criteria. Carcinogenicity Non-hazardous by WHMIS criteria. Non-hazardous by WHMIS criteria. Mutagenicity Reproductive effects Non-hazardous by WHMIS criteria. **Teratogenicity** Non-hazardous by WHMIS criteria.

Name of Toxicologically

**Synergistic Products** 

12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

Ecotoxicological data

Components **Species Test results** 

Sodium hydroxide (CAS 1310-73-2)

Aquatic

Crustacea EC50 Water flea (Ceriodaphnia dubia) 34.59 - 47.13 mg/l, 48 hours

Fish LC50 Western mosquitofish (Gambusia affinis) 125 mg/l, 96 hours

Not available. Persistence and degradability Not available Bioaccumulation/accumulation Not available. Mobility in environmental

media

**Environmental effects** Not available. **Aquatic toxicity** Not available. Partition coefficient Not available.

Chemical fate information Not available.

13. Disposal Considerations

**Disposal instructions** Dispose in accordance with all applicable regulations.

Waste from residues / unused

products

Not available

Not available Contaminated packaging

14. Transport Information

**Transportation of Dangerous Goods (TDG - Canada)** 

**Basic shipping requirements:** 

**UN number** UN3266 Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)

**Hazard class** 8 Ш Packing group Special provisions 16

Packaging exceptions <1L - Limited Quantity

**TDG** 



# 15. Regulatory Information

#### Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### **Canada WHMIS Ingredient Disclosure: Threshold limits**

Sodium hydroxide (CAS 1310-73-2) 1 %

WHMIS status Controlled

Class E - Corrosive Material **WHMIS Classification** 

WHMIS labeling



#### Inventory status

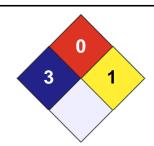
Country(s) or region **Inventory Name** On Inventory (Yes/No)\* Canada Domestic Substances List (DSL) Yes Non-Domestic Substances List (NDSL) Canada No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

#### 16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0





#### **Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Nu-Calgon Technical Service Phone: (314) 469-7000 Prepared by

Other information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.