

**SAFETY DATA SHEET**  
according to 29 CFR 1910.1200 and GHS

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**Chlor-A- Foam™ EVO**

Revision 0  
Revision date 2018-06-05

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

<b>Product name</b>	Chlor-A- Foam™ EVO
<b>Product code</b>	418087

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

<b>Description</b>	Cleaner.
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**1.3. Details of the supplier of the safety data sheet**

<b>Company</b>	Neogen Corporation
<b>Address</b>	620 Leshler Place Lansing MI 48912 USA
<b>Web</b>	www.neogen.com
<b>Telephone</b>	517-372-9200/800-234-5333
<b>Email</b>	regulatorysupport@neogen.com

**1.4. Emergency telephone number**

<b>Emergency telephone number</b>	1-800-234-5333
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**Further information**


<b>Manufactured By:</b>	HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation. HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316 U.S.A.
<b>Hotline(s):</b>	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

<b>2.1.2. Classification - GHS</b>	Skin Corr. 1A: H314; Aquatic Chronic 3: H412;
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**2.2. Label elements**

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
<b>Precautionary Statement: Storage</b>	P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an appropriate waste site or reclaim (in accordance with local/regional/national/international regulation).

## 2.3. Other hazards

<b>Other hazards</b>	No data is available on this product.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
1,1'-oxybisbenzene, tetrapropylene derivatives, sulfonated, sodium salts		119345-04-9			1 - 10%	Eye Dam. 1: H318; Aquatic Acute 2: H401; Aquatic Chronic 2: H411;
Potassium hydroxide	019-002-00-8	1310-58-3	215-181-3		1 - 10%	Acute Tox. 4: H302; Skin Corr. 1A: H314;
Acrylic acid	607-061-00-8	79-10-7	201-177-9		0.5 - 1%	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400;
Lauryl Dimethyl Amine Oxide		1643-20-5	216-700-6		1 - 10%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
Sodium hypochlorite, solution...% Cl active	017-011-00-1	7681-52-9	231-668-3		1 - 10%	EUH031; Skin Corr. 1B: H314; Aquatic Acute 1: H400;

## Further information

	The exact percentage (concentration) of composition has been withheld as a trade secret.
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## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an

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## 4.1. Description of first aid measures

	unconscious person.
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## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes severe burns. Risk of serious damage to eyes.
Skin contact	Causes severe burns.
Ingestion	Ingestion may cause nausea and vomiting. May cause irritation to mucous membranes.

## 4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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## 5.2. Special hazards arising from the substance or mixture

	Heat will increase pressure in sealed containers. Cool fire exposed containers with waterspray. Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with skin and eyes. Wear suitable protective clothing and eye/face protection. Wear suitable respiratory equipment when necessary. Wash hands after handling the product. Ensure adequate ventilation of the working area.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
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## 6.4. Reference to other sections

	See section 2, 8 & 13 for further information.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Wear suitable protective clothing and eye/face protection. Ensure adequate ventilation of the working area.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Store at temperatures between 20 °C and 25 °C.
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## 7.3. Specific end use(s)

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## 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection


## 8.1. Control parameters

Occupational exposure controls.

## Exposure Limit Values

Potassium hydroxide	<p>ACGIH TLV TWA: -</p> <p>Notations: -</p> <p>OSHA PEL 8hr TWA mg m3: -</p> <p>NIOSH REL 10hr TWA ppm: -</p> <p>NIOSH REL 15 min ST ppm: -</p>	<p>ACGIH TLV STEL: C 2 mg/m<sup>3</sup></p> <p>OSHA PEL 8hr TWA ppm: -</p> <p>Skin Designation: -</p> <p>NIOSH REL 10hr TWA mg m3: -</p> <p>NIOSH REL 15 min ST mg m3: -</p>
Sodium hydroxide	<p>ACGIH TLV TWA: -</p> <p>Notations: -</p> <p>OSHA PEL 8hr TWA mg m3: 2</p> <p>NIOSH REL 10hr TWA ppm: -</p> <p>NIOSH REL 15 min ST ppm: -</p>	<p>ACGIH TLV STEL: C 2 mg/m<sup>3</sup></p> <p>OSHA PEL 8hr TWA ppm: -</p> <p>Skin Designation: -</p> <p>NIOSH REL 10hr TWA mg m3: -</p> <p>NIOSH REL 15 min ST mg m3: -</p>

## 8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Wear suitable protective clothing.
Eye / face protection	Wear: Approved safety goggles.
Skin protection - Hand protection	Wear: Chemical resistant gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Keep away from food, drink and animal feed and/ or feed products.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Color</b>	Clear/Yellow
<b>Odor</b>	Chlorine
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Odour threshold</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	> 100 °C
<b>pH</b>	> 13.5
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data available.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No data available.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames. Heat will increase pressure in sealed containers.
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## 10.5. Incompatible materials

	Alkalis. Oxidizing agents.
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## 10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data available.
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## 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes severe burns.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens. Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

## 11.1.4. Toxicological information

Potassium hydroxide	Oral Rat LD50: 273 mg/kg	
Sodium hypochlorite, solution...% Cl active	Oral Rat LD50: 8200 mg/kg	Dermal Rabbit LD50: > 10000 mg/kg

## SECTION 12: Ecological information

## 12.1. Toxicity

Potassium hydroxide	Fish LC50/96h: 80 mg/l	
Sodium hydroxide	Fish LC50/96h: 125.000000 mg/l	Rainbow trout LC50/96h: 45.4 mg/l

## 12.2. Persistence and degradability

	No data available.
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## 12.3. Bioaccumulative potential

	No data available.
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## Partition coefficient

	Chlor-A- Foam™ EVO No data available
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## 12.4. Mobility in soil

	No data available.
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## 12.5. Results of PBT and vPvB assessment

	No data available.
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## 12.6. Other adverse effects

	No data available.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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## Disposal methods

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## Disposal methods

Contact a licensed waste disposal company.

## Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN1760

## 14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE)

## 14.3. Transport hazard class(es)

DOT	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group I

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## 14.6. Special precautions for user

No data available.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## DOT

Hazard ID	88
Tunnel Category	(E)

## IMDG

EmS Code F-A S-B

## IATA

Packing Instruction (Cargo)	854
Maximum quantity	2.5 L
Packing Instruction (Passenger)	850

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## IATA

Maximum quantity 0.5 L

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b>	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Sodium hydroxide: Y</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Potassium hydroxide: Y, Sodium hydroxide: Y, Hypochlorous acid, sodium salt: Y.</p>
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## 15.2. Chemical safety assessment

No data is available on this product.

## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Potassium hydroxide (Potassium hydroxide (K(OH)))	Y	N	N	N	N	N	Y	N	N
Sodium hypochlorite, solution...% Cl active (Hypochlorous acid, sodium salt)	Y	N	N	N	N	N	Y	N	N
Sodium hydroxide (Sodium hydroxide (Na(OH)))	Y	N	N	N	N	N	Y	N	N

## SECTION 16: Other information

## Other information

<b>Text of Hazard Statements in Section 3</b>	<p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>Aquatic Acute 2: H401 - Toxic to aquatic life.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Acute Tox. 4: H312 - Harmful in contact with skin.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>EUH031 - Contact with acids liberates toxic gas.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p>
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## Further information

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