

## SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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### Chlor-A-Foam™ EVO

Revision 2  
Revision date 2018-12-05

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

##### 1.1. Product identifier

Product name	Chlor-A-Foam™ EVO
Product code	418087

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

Description	Phosphate-free, chlorinated cleaner.
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##### 1.3. Details of the supplier of the safety data sheet

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

##### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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##### Further information


Manufactured By:	HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316 U.S.A. HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation.
Hotline(s):	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

2.1.2. Classification - GHS	Skin Corr. 1B: H314;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

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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. 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/ . 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 approved waste disposal facility in accordance with local and national regulations.

## 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
Potassium hydroxide	019-002-00-8	1310-58-3	215-181-3		1 - 10%	Acute Tox. 4: H302; Skin Corr. 1A: H314;
Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt		36445-71-3			1 - 10%	Eye Dam. 1: H318;
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.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	May cause irritation to respiratory system. Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Immediate medical attention is required.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	Causes burns. Risk of serious damage to eyes.
<b>Skin contact</b>	Causes burns. Corrosive to living tissue.
<b>Ingestion</b>	Causes burns. Ingestion may cause nausea and vomiting.

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

	Remove the affected person from the source of contamination immediately. If you feel unwell, seek medical advice (show the label where possible). Seek medical attention if irritation or symptoms persist.
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**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 eyes and skin. 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 spillage to prevent material damage. 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, and 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. Wear suitable gloves and eye/face protection. Avoid contact with eyes, skin or clothing. Wash hands after handling the product. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Ensure adequate ventilation of the working area.
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**7.2. Conditions for safe storage, including any incompatibilities**

	Keep only in the original container in a cool, well-ventilated place away from excessive heat or cold.
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**7.3. Specific end use(s)**

	See section 1.2 for further information.
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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limit Values**

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## Exposure Limit Values

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

## 8.2. Exposure controls

Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Use as appropriate: Protective clothing.
Eye / face protection	Wear eye/face protection.
Skin protection - Hand protection	Wear suitable gloves.
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

## 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

	Keep away from incompatible materials.
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## 10.4. Conditions to avoid

	Keep away from heat. Heat will increase pressure in sealed containers.
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## 10.5. Incompatible materials

	Strong acids.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Causes burns.
Respiratory or skin sensitisation	No sensitization effects reported.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.

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## 11.1. Information on toxicological effects

Repeated or prolonged exposure	Avoid prolonged or repeated exposure.
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## 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
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## 12.2. Persistence and degradability

	No data available.
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## 12.3. Bioaccumulative potential

	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. Do not contaminate water by cleaning of equipment or disposal of wastes.
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## Disposal methods

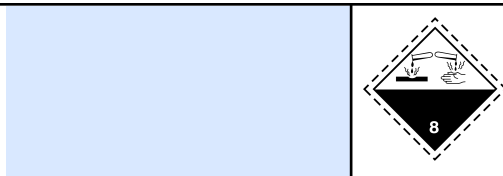
	Contact a licensed waste disposal company. Do not contaminate water by cleaning of equipment or disposal of wastes.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

	UN3266
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## 14.2. UN proper shipping name

	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hypochlorite solution)
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## 14.3. Transport hazard class(es)

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

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## 14.3. Transport hazard class(es)

Subsidiary risk	-
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## 14.4. Packing group

Packing group	III
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## DOT

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code	F-A S-B
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## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	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:</p> <p>New Jersey Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p>
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## 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

## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas:.
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## Other information

<b>Text of Hazard Statements in Section 3</b>	<p>2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 14 - DOT. 14 - IMDG. 14 - IATA.</p> <hr/> <p>Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Eye Dam. 1: H318 - Causes serious eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. EUH031 - Contact with acids liberates toxic gas. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p>
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## Further information

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