

FOAM CHLOR

Section 1. Identification

Product identifier : FOAM CHLOR.
Other means of : Not available.

identification

Product type : Liquid.

Product dilution information : 2 to 4 %

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : High foaming chlorinated alkaline cleaner.

Supplier/Manufacturer : OmniChem

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Emergency telephone number (with hours of

operation)

: Monday to Friday 8:00 am - 4:00 pm Tel: 514-645-6199

Email: info@omnichem.ca

CANUTEC (Restriction - Transportation emergencies only): +1-613-996-6666 or

*666 (cellular) (24/7)

Section 2. Hazard identification

Classification of the : SKIN CORROSION/IRRITATION - Category 1A SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

Health Hazards Not Otherwise Classified - Category 1

Product at RECOMMENDED

DILLUTION

Hazard pictograms

: SKIN CORROSION/IRRITATION - Category 1A

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 Health Hazards Not Otherwise Classified - Category 1

GHS label elements





Signal word : Danger

Hazard statements : No Code(s) - Causes digestive tract burns.

H314 - Causes severe skin burns and eye damage.

Precautionary statements

Prevention

: P280 - Wear protective gloves. Wear protective clothing. Wear eye or face

protection.

P264 - Wash hands thoroughly after handling.



Section 2. Hazard identification

Response

: P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage : Store in an appropriate location.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Supplemental label elements

: Do not taste or swallow. Wash thoroughly after handling.

Product at RECOMMENDED DILLUTION

Déclaration on Security

Prevention : P280 - Wear protective gloves. Wear protective clothing. Wear eye or face

protection.

P264 - Wash hands thoroughly after handling.

Response

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Storage

: Store in an appropriate location.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture.

Other means of : Not available.

identification

Ingredient name	% (w/w)	CAS number
Amines, C10-16-alkyldimethyl, N-oxides	1 – 5	70592-80-2
Potassium hydroxide	1 – 5	1310-58-3
Sodium hydroxide	1 – 5	1310-73-2
Sodium hypochlorite	1 – 5	7681-52-9

Product at RECOMMENDED DILLUTION

Declaration on security: No known significant effects or critical hazards.

The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.



Section 4. First-aid measures

Description of necessary first aid measures

Eye contact

: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.

Inhalation

: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person.

If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns.

Ingestion : Corrosive to the digestive tract. Causes burns.

Over-exposure signs/symptoms

Eye contact : Ac

: Adverse symptoms may include the following:

Pain Watering Redness

Inhalation : No known significant effects or critical hazards.

: Adverse symptoms may include the following:

Pain or irritation

Redness

Blistering may occur

Ingestion : Adverse symptoms may include the following: stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Skin contact

: Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.



Section 4. First-aid measures

Product at RECOMMENDED DILLUTION

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: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person.

If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

Specific hazards arising from the chemical

Hazardous thermal decomposition products

Special protective actions

for fire-fighters

Special protective equipment for fire-fighters

: Use an extinguishing agent suitable for the surrounding fire.

: None known.

: This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

: Decomposition products may include the following materials:

Halogenated compounds Metal oxide/oxides

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".



Section 6. Accidental release measures

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section13 for waste disposal.

Product at RECOMMENDED DILLUTION

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in an appropriate location. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.



Section 7. Handling and storage

Product at RECOMMENDED DILLUTION

Precautions for safe handling

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Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in an appropriate location. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Potassium hydroxide	CA Alberta Provincial (Canada, 4/2009). C: 2 mg/m³
	CA British Columbia Provincial (Canada, 6/2017).
	C: 2 mg/m ³
	CA Ontario Provincial (Canada, 1/2018). C: 2 mg/m³
	CA Quebec Provincial (Canada, 1/2014).
	STEV: 2 mg/m³ 15 minutes.
	CA Saskatchewan Provincial (Canada, 7/2013). CEIL: 2 mg/m ³
Sodium hydroxide	CA Alberta Provincial (Canada, 4/2009). CEIL: 2 mg/m ³
	CA British Columbia Provincial (Canada, 6/2017). CEIL: 2 mg/m ³
	CA Ontario Provincial (Canada, 1/2018). CEIL: 2 mg/m ³
	CA Quebec Provincial (Canada, 1/2014).
	STEV: 2 mg/m³ 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013).
On the sand of the	CEIL: 2 mg/m ³
Sodium Hypochlorite	AIHA WEEL (United States, 10/2011).
	STEL: 2 mg/m³ 15 minutes.

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection Hand protection

: Wear rubber gloves. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.



Section 8. Exposure controls/personal protection

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Product at RECOMMENDED DILLUTION

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Hand protection

: When handling chemicals, wear chemical-resistant, impervious gloves that conform to an approved standard at all times if a risk assessment indicates this is necessary.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Product at initial concentration

Appearance

Physical state : Liquid.

: Clear, Yellowish, Color Odor : Slight chlorine. Odor threshold : Not available.

: 11.8 [Conc. (% w/w): 1%]

: Not available. **Melting point Boiling point** : Not available. Flash point : Not available. **Evaporation rate** : Not available. Flammability (solid, gas) : Not available. Lower and upper explosive : Not available.

(flammable) limits

: Not available. Vapor pressure : Not available. Vapor density

Relative density : 1.12 Solubility

Partition coefficient: n-

: Miscible in water. : Not available.

octanol/water **Auto-ignition temperature**

: Not available. : Not available.

Decomposition temperature : Not available **Viscosity**

Section 10. Stability and reactivity Reactivity

Chemical stability

: No specific test data related to reactivity available for this product or its ingredients. : The product is stable.

Possibility of hazardous reactions

: Do not mix with acids; release of toxic chlorine vapors.

Conditions to avoid

: No specific data.

Incompatible materials

: Metals such as aluminum, zinc and tin will react, releasing hydrogen. Do not mix with strong acids.

Compliant SDS for GHS - Canada WHMIS 2015

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Product at RECOMMENDED DILLUTION

10 - 11

Liquid. [Clear.] Not available. Not available. Not available.



Section 10. Stability and reactivity

Hazardous decomposition

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

products

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

There is no data available. **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Potassium hydroxide	Eyes - Moderate irritant	Rabbit	-	24 hours 1 mg	-
	Skin - Severe irritant	Guinea pig	-	24 hours 50 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 50 mg	-
Sodium hydroxide	Eyes - Mild irritant	Rabbit	-	400 μg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 μg	-
	Eyes - Severe irritant	Rabbit	-	1%	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 mg	-
Hypochlorite de sodium	Eyes - Mild irritant	Rabbit	-	1.31 mg	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

Classification

Product/ ingredient name	OSHA	IARC	NTP
Sodium Hypochlorite	-	3	-

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely: Dermal contact. Eye contact. Inhalation. Ingestion.

routes of exposure

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns.

Ingestion : Corrosive to the digestive tract. Causes burns.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

Pain Watering Redness

Inhalation: No known significant effects or critical hazards.Skin contact: Adverse symptoms may include the following:

Pain or irritation

Redness

Blistering may occur

Ingestion : Adverse symptoms may include the following: stomach pains



Section 11. Toxicological information

Product at RECOMMENDED DILLUTION

Information on toxicological effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns.

Ingestion : Corrosive to the digestive tract. Causes burns.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate : No known significant effects or critical hazards.

effects

Potential delayed effects: No known significant effects or critical hazards.

Long term exposure

Potential immediate : No known significant effects or critical hazards.

effects

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health

<u>effects</u>

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

No known significant effects or critical hazards.

Numerical measures of

toxicity

Acute toxicity estimates

Route	ATE value
Oral	13888.9 mg/kg

Product at RECOMMENDED DILLUTION

Potential acute health effects

Eye contact : Adverse symptoms may include the following:

Pain Watering Redness

Inhalation: No known significant effects or critical hazards.Skin contact: Adverse symptoms may include the following:

Pain or irritation Redness

Blistering may occur

Ingestion : Adverse symptoms may include the following: stomach pains

Chronic health effects : No known significant effects or critical hazards.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Amines, C10-16-alkyldimethyl, N	LC50 1.01 ppm Fresh water	Fish - Pimephales promelas	96 hours
oxides	NOEC 700 µg/L Fresh water	Daphnia - Daphnia magna	21 days
Potassium hydroxide	LC50 80 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
Sodium hydroxide	EC50 40.38 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
•	LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	EC50 0.67 mg/L Marine water	Algae - Phaeodactylum tricornutum - Exponential growth phase	96 hours
Sodium hypochlorite	LC50 56400 µg/L Marine water	Crustaceans - Palaemonetes pugio	48 hours
••	LC50 32 µg/L Fresh water	Daphnia - Daphnia magna	48 hours
	LC50 32 µg/L Marine water	Fish - Oncorhynchus kisutch – Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	NOEC 0.5 mg/L Marine water	Algae - Isochrysis galbana – Exponential growth phase	96 hours
I	NOEC 0.1 ppm Fresh water	Fish - Cyprinus carpio - Young	30 days



Section 12. Ecological information

Persistence and degradability

There is no data available. **Bioaccumulative potential**

There is no data available.

Mobility in soil

Soil/water partition : Not available

coefficient (KOC)

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Product at RECOMMENDED DILLUTION

Disposal methods

when it's possible, avoid waste generation. Disposal of this product, solutions and any byproducts should comply with the requirements of environmental protection and waste
disposal legislation and any regional local authority requirements. Dispose of surplus and
non-recyclable products via a licensed waste disposal contractor. Waste should not be
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be disposed of in a safe way. Care should be taken when handling
empty containers that have not been cleaned or rinsed out. Empty containers or liners may
retain some product residues. Avoid dispersal of spilled material and runoff and contact with
soil, waterways, drains and sewers.

Section 14. Transport information

	TDG Classification	IMDG	IATA
UN number	UN3266	UN3266	UN3266
UN proper shipping name	CORROSIVE LIQUID, BASIC, INNORGANIQC, N.O.S (sodium hydroxide, Sodium hypochlorite)	CORROSIVE LIQUID, BASIC, INNORGANIQC, N.O.S (sodium hydroxide, Sodium hypochlorite)	CORROSIVE LIQUID, BASIC, INNORGANIQC, N.O.S (sodium hydroxide, Sodium hypochlorite)
Transport hazard class(es)	8	8	8
Packing group	II	II	II
Environmental hazards	No.	No.	No.



Section 14. Transport information

Additional information

TDG Classification : Product classified as per the following sections of the Transportation of Dangerous Goods

Regulations: 2.40-2.42 (Class 8).

Emergency Response

Guidebook (ERG)

Special precautions for user

: 154

: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an

accident or spillage.

Section 15. Regulatory information

Canadian lists

Canada inventory (DSL

NDSL)

Canadian NPRI
CEPA Toxic substances

: All components are listed or exempted.

: None of the components are listed.

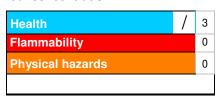
: None of the components are listed.

Section 16. Other information

Hazardous Material Information System (États-Unis)

Health: 3 / Flammability: 0

Product at initial concentration





Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (États-Unis)

Product at initial concentration





Health: 3 Flammability: 0 Instability: 0 Special:

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.



Section 16. Other information

Procedure used to derive the classification

Classification	Justification
SKIN CORROSION/IRRITATION - Category 1A	Expert judgment
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1	On basis of test data
Health Hazards Not Otherwise Classified - Category 1	Calculation method

History

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Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA =

International Air Transport Association IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

HPR = Hazardous Products Regulations

Notice to reader

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The content of this form is also valid in Spanish to cover Cuba and in French to cover Haiti