

Millennium Release (AFCO 6001) Safety Data Shoot

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 11/12/2024

SECTION 1: IDENTIFICATION

Product Identifier Product Form: Mixture

Product Name: Millennium Release

Product Code: AFCO 6001 **Intended Use of the Product**

Use of the Substance/Mixture: Chlorinated alkaline foam cleaner for use in meat, poultry, and food processing plants. For

professional use only.

Product Dilution Information: 1-4 oz/gal

Name, Address, and Telephone of the Responsible Party

Company **AFCO**

800 Development Avenue Chambersburg, PA 17201

T: 800-345-1329 www.afcocare.com

Emergency Telephone Number

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

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Met. Corr. 1 H290 H314 Skin Corr. 1A,B Eye Dam. 1 H318 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

PRODUCT at USE DILUTION

Met. Corr. 1 H290 Skin Corr. 1A,B H314 Eye Dam. 1 H318

Label Elements GHS-US Labeling

Hazard Pictograms (GHS-US)





Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage H335 - May cause respiratory irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US): P234 - Keep only in original container.

P260 - Do not breathe vapors, mist, spray.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

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P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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 or doctor/physician.

P312 - Call a POISON CENTER/doctor/physician if you feel unwell.

P321 - Specific treatment (see section 4).

P363 - Wash contaminated clothing before reuse.

P390 - Absorb spillage to prevent material damage.

P391 - Collect spillage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P406 - Store in corrosive resistant container with a resistant inner liner.

P501 - Dispose of contents/container in accordance to local, regional, national, territorial, provincial, and international regulations.

PRODUCT at USE DILUTION

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H290 - May be corrosive to metals

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P501 - Dispose of contents/container in accordance to local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes. Corrosive vapors. Unknown Acute Toxicity (GHS-US) Not available.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Water	(CAS No) 7732-18-5	70-90	Not classified
Sodium hydroxide	(CAS No) 1310-73-2	1-5	Met. Corr. 1, H290
			Skin Corr. 1A, H314
			Eye Dam. 1, H318
			Aquatic Acute 3, H402
Sodium hypochlorite	(CAS No) 7681-52-9	1-5	Met. Corr. 1, H290
			Skin Corr. 1B, H314
			Eye Dam. 1, H318
			STOT SE 3, H335
			Aquatic Acute 1, H400
			Aquatic Chronic 1, H410
Lauryldimethylamine oxide	(CAS No) 1643-20-5	1-5	Skin Corr. 1B, H314
			Eye Dam. 1, H318
			Aquatic Acute 1, H400

Substances

Mixture

PRODUCT at USE DILUTION

Name	Product identifier	% (w/w)	Classification (GHS-US)
Sodium hydroxide	(CAS No) 1310-73-2	0.05-0.4	Met. Corr. 1, H290
			Skin Corr. 1A, H314
			Eye Dam. 1, H318

Exact percentage composition of substances and/or ingredients may be withheld as a trade secret, in accordance with [29 CFR § 1910.1200 App E].

Full text of H-phrases: see section 16.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

PRODUCT as SOLD

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

PRODUCT at USE DILUTION

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). If exposed or concerned: Get medical advice/attention.

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

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Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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Most Important Symptoms and Effects Both Acute and Delayed

General: Corrosive. Causes burns. Causes serious eye damage. May cause irritation of respiratory tract.

Inhalation: May cause respiratory irritation.

Skin Contact: Contact may cause immediate severe irritation progressing quickly to chemical burns.

Eye Contact: Causes serious eye damage.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Not available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide, foam, dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable. Contains sodium hypochlorite which may act as an oxidizer in some cases intensifying a fire.

Explosion Hazard: Product is not explosive.

Reactivity: Thermal decomposition generates: Corrosive vapors. If the product is involved in a fire, it can release toxic chlorine gases, and explosive hydrogen gas. When heated to decomposition, emits toxic fumes. Ammonium or nitrogen containing compounds can react with the sodium hypochlorite in this product releasing toxic chlorine gas. May be corrosive to metals.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: May liberate toxic gases. Sodium oxides. Chlorine gas. Nitrogen oxides. Carbon oxides (CO, CO₂).

Explosive hydrogen gas.

Other information: Do not allow run-off from fire fighting to enter drains or water courses.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not allow product to spread into the environment. Do NOT breathe (vapors, mist, spray). Do not get in eyes, on skin, or on clothing.

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For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Contact competent authorities after a spill. Absorb spillage to prevent material damage.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: May be corrosive to metals. When heated to decomposition, emits toxic fumes. May produce explosive hydrogen gas on contact with incompatibilities or upon thermal decomposition. Ammonium or nitrogen containing compounds can react with the sodium hypochlorite in this product releasing toxic chlorine gas. Contains sodium hypochlorite which may act as an oxidizer in some cases intensifying a fire.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do no eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. May be corrosive to metals.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, incompatible materials.

Incompatible Materials: Strong acids, Strong oxidizers. **Special Rules on Packaging:** Keep only in original container.

Specific End Use(s)

Chlorinated alkaline foam cleaner for use in meat, poultry, and food processing plants. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Sodium hydroxide (1310-73-2)		
Mexico	OEL Ceiling (mg/m³)	2 mg/m³
USA ACGIH	ACGIH Ceiling (mg/m³)	2 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m³)	2 mg/m³
USA NIOSH	NIOSH REL (ceiling) (mg/m³)	2 mg/m³
USA IDLH	US IDLH (mg/m³)	10 mg/m ³
Ontario	OEL Ceiling (mg/m³)	2 mg/m³
Québec	PLAFOND (mg/m³)	2 mg/m ³

PRODUCT as SOLD

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only with adequate ventilation. If user operations generate fumes, gas, vapors, spray, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or regulatory limits. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective clothing. Protective goggles. Gloves. Face shield.









Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosionproof clothing.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: A respirator is not needed under normal and intended conditions of use. If airborne concentrations of vapor or mist are expected to exceed exposure limits, use NIOSH-approved respirator.

Thermal Hazard Protection: Wear suitable protective clothing. **Other Information:** When using, do not eat, drink or smoke.

PRODUCT at USE DILUTION

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only with adequate ventilation. If user operations generate fumes, gas, vapors, spray, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or regulatory limits. Ensure all national/local regulations are observed.

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Personal Protective Equipment: Protective clothing. Protective goggles. Gloves. Face shield.









Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosionproof clothing.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: A respirator is not needed under normal and intended conditions of use. If airborne concentrations of vapor

or mist are expected to exceed exposure limits, use NIOSH-approved respirator.

Thermal Hazard Protection: Wear suitable protective clothing. **Other Information:** When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State : Liquid

Appearance : Clear, Pale-yellow

Odor : Chlorine
Odor Threshold : Not available

pH : >13

Relative Evaporation Rate (butylacetate=1): Not availableMelting Point: Not availableFreezing Point: Not availableBoiling Point: 104.4°C (219.92°F)

Flash Point : None

Auto-ignition Temperature : None

Decomposition Temperature: Not availableFlammability (solid, gas): Not availableLower Flammable Limit: Not availableUpper Flammable Limit: Not availableVapor Pressure: Not availableRelative Vapor Density at 20°C: Not available

Specific Gravity: 1.08Solubility: Complete.Partition coefficient: n-octanol/water: Not availableViscosity: Not available

Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact. Explosion Data – Sensitivity to Static Discharge : Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Thermal decomposition generates: Corrosive vapors. If the product is involved in a fire, it can release toxic chlorine gases. Explosive hydrogen gas. When heated to decomposition, emits toxic fumes. Ammonium or nitrogen containing compounds can react with the sodium hypochlorite in this product releasing toxic chlorine gas. May be corrosive to metals.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Heat. Combustible materials. Incompatible materials. **Incompatible Materials:** Strong acids. Strong oxidizers. Metals. May be corrosive to metals. Phosphorus. Nitrogen containing

compounds, ammonium compounds.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂). Thermal decomposition generates: Corrosive vapors. Toxic gases. Chlorine gas. Hydrogen gas. Nitrogen oxides. Sodium oxides.

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SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified.

LD50 and LC50 Data: Not available.

Skin Corrosion/Irritation: Causes severe skin burns. pH: >13

Serious Eye Damage/Irritation: Causes serious eye damage. pH: >13

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Teratogenicity: Not available. **Carcinogenicity:** Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Contact may cause immediate severe irritation progressing quickly to chemical burns. **Symptoms/Injuries After Eye Contact:** Causes serious eye damage. Contact may cause immediate severe irritation progressing

quickly to chemical burns.

Symptoms/Injuries After Ingestion: Contact may cause immediate severe irritation progressing quickly to chemical burns.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Water (7732-18-5)	
LD50 Oral Rat	>90000 mg/kg
Sodium hypochlorite (7681-52-9)	
LD50 Oral Rat	8200 mg/kg
LD50 Dermal Rabbit	>10000 mg/kg
IARC Group	3

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Very toxic to aquatic life with long lasting effects.

Sodium hydroxide (1310-7	3-2)
LC50 Fish 1	40 mg/l
Sodium hypochlorite (7681	I-52-9)
LC50 Fish 1	0.06 (0.06 - 0.11) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.033 - 0.044 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	4.5 (4.5 - 7.6) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	0.033 (0.033 - 0.044) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Lauryldimethylamine oxide	e (1643-20-5)
ErC50 (algae)	0.11 mg/l (72 hour)

Persistence and Degradability

Millennium Release (AFCO 6001)	
Persistence and Degradability	May cause long-term adverse effects in the environment.

Bioaccumulative Potential

Millennium Release (AFCO 6001)	
Bioaccumulative Potential	Not established.

Mobility in Soil Not available.

Other Adverse Effects

Other Information: Avoid release to the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite)

Hazard Class : 8

Identification Number : UN3266

Label Codes : 8
Packing Group : III
Marine Pollutant : Yes
ERG Number : 154

14.2 In Accordance with IMDG

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite)

Hazard Class : 8

Identification Number : UN3266

Packing Group : III
Label Codes : 8
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Marine pollutant : Yes



14.3 In Accordance with IATA

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite)

Packing Group : III

Identification Number : UN3266

Hazard Class : 8 Label Codes : 8 ERG Code (IATA) : 8L

14.4 In Accordance with TDG

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium hypochlorite)

Packing Group : III
Hazard Class : 8
Identification Number : UN3266

Label Codes : 8



SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Millennium Release (AFCO 6001)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard.

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Sodium hydroxide (1310-73-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Sodium hypochlorite (7681-52-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Lauryldimethylamine oxide (1643-20-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

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US State Regulations

Sodium hydroxide (1310-73-2)

- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Acute
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Sodium hypochlorite (7681-52-9)

- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Lauryldimethylamine oxide (1643-20-5)

- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Canadian Regulations

Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Sodium hydroxide (1310-73-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Sodium hypochlorite (7681-52-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Lauryldimethylamine oxide (1643-20-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

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

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 11/11/2024

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Met. Corr. 1	Corrosive to metals Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3

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H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects

NFPA Health Hazard : 3 - Short exposure could cause serious temporary or

residual injury even though prompt medical attention was

given.

NFPA Fire Hazard : 0 - Materials that will not burn.

NFPA Reactivity : 1 - Normally stable, but can become unstable at elevated

temperatures and pressures or may react with water with

some release of energy, but not violently.

HMIS III Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken, and medical treatment is

given.

Flammability : 0 - Minimal Hazard.

Physical : 1 - Slight Hazard.

Party Responsible for the Preparation of This Document

AFCO

800 Development Avenue Chambersburg, PA 17201

T: 800-345-1329

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS SDS 2015 (U.S., Can., Mex.)

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