CHEMAQUA BOX 152170 IRVING, TEXAS 75015

> STEW LEONARD'S 99 FEDERAL RD DANBURY, CT 06811

O.S.H.A. MSDS ENCLOSED RETENTION REQUIRED BY LAW

# IMPORTANT DOCUMENT ENCLOSED O.S.H.A. INFORMATION

Customer Number : 462265
Bill of Lading Number: USA213
Order Number : 4919535

Sparred State Stat

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHEM-AQUA 40215 Recommended use Biocidal product Information on Manufacturer CHEM-AQUA, INC BOX 152170 Product Code 12054757
Chemical nature Aqueous solution
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

# 2. HAZARD IDENTIFICATION

Color Colorless - Yellow Physical state Liquid Odor Pungent

Category 1

Category 1

Category 1

**GHS** 

Classification

Physical Hazards

IRVING, TEXAS 75015

Corrosive to Metals Category 1

Health Hazard

Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation

Skin sensitization

<u>Other hazards</u> None

Labeling
Signal Word
DANGER



# Hazard statements

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H290 - May be corrosive to metals

# Precautionary Statements

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

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace

P260 - Do not breathe mist

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P333 + P313 - If skin irritation or rash occurs, get medical attention

P363 - Wash contaminated clothing before reuse

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 physician.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 - If experiencing respiratory symptoms, call a physician.

P406 - Store in a corrosion-resistant container.

P390 - Absorb spillage to prevent damage.

P501 - Dispose of contents and container in accordance with applicable local regulations.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Magnesium nitrate	10377-60-3	1-5
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	1-5
2-Methyl-4-isothiazolin-3-one	2682-20-4	0.1-1.0

#### 4. FIRST AID MEASURES

Do not get in eyes, on skin or on clothing. Do not breathe mist. General advice

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove

contact lenses. Call a physician or poiso n control center immediately.

Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least **Skin Contact** 

15 minutes. Contact a poison control center.

Move to fresh air. If not breathing, give artificial respiration. Get medical attention immediately. Inhalation

Call a physician or poison control center immediately. Give small amounts of water to drink. DO NOT Ingestion

induce vomiting unless directed to do so by a physician or poison control center.

Notes to physician The product causes burns of eyes, skin and mucous membranes. Control of circulatory system,

shock therapy if needed. Since reversion of methemoglobin to hemoglobin occurs spontaneously after termination of exposure, moderate degrees of cyanosis need to be treated only by supportive

measures. May cause sensitization of susceptible persons.

# 5, FIRE-FIGHTING MEASURES

Flash Point Does not flash Method No data available

Flammability Limits in Air %: Hydrogen, by reaction with Upper: 75 Lower: 4

metals.

Suitable Extinguishing Media

Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. Contact with metals liberates flammable hydrogen gas. Material can create slippery conditions.

**Protective Equipment and Precautions for Firefighters** 

As in any fire, wear self-contained breathing apparatus pressure -demand, NOHSC (approved or equivalent) and full protective gear.

NFPA Health 3

Instability 0 Flammability 0 HMIS -Flammability 0 Instability 0 Health 3

# 6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage **Personal Precautions** 

if safe to do so. Material can create slippery conditions.

Do not flush into surface water or sanitary sewer system. **Environmental precautions** 

Contain spillage, soak up with non -combustible absorbent material, (e.g. sand, earth, **Methods for Containment** 

diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national

regulations (see section 13).

Pick up and transfer to properly labeled containers. Methods for Cleaning Up

Neutralize with lime milk or soda and flush with plenty of water. **Neutralizing Agent** 

# 7. HANDLING AND STORAGE

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

Keep out of the reach of children. Store in original container. Metal containers must be lined. Keep Storage

containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical

condition but will not damage the material. Thaw and mix before using

Maximum 34 °F / 1 °C **Storage Temperature** Minimum Indoor Outdoor Heated Refrigerated **Storage Conditions** 

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

This product does not contain any hazardous materials with occupational exposure limits **Exposure Guidelines** 

established by the region specific regulatory bodies.

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should **Engineering Measures** 

be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

44.0

Tightly fitting safety goggles. Face-shield. **Eye/Face Protection** 

Wear suitable protective clothing, Impervious gloves. **Skin Protection** 

In case of inadequate ventilation wear respiratory protection. Respiratory Protection

Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the **General Hygiene Considerations** workstation location. Remove and wash contaminated clothing before re -use.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Non viscous Liquid Viscosity Physical state

Color **Odor Threshold** 

Colorless - Yellow Not applicable

Odor Appearance Pungent Transparent

pН **Evaporation Rate** 

**Specific Gravity** 

1.02

VOC Content (%) VOC Content (g/L)

No data available n n

Percent Volatile (Volume) VOC Photoreactive (Y/N) Vapor Pressure

No data available No data available

**Vapor Density** n-Octanol/Water Partition **Decomposition Temperature**  No information available No data available No data available No data available

Solubility Melting Point/Range **Boiling Point/Range** 

Completely soluble No data available 212 °F / 100 °C

Flammability (solid, gas) Flash Point

Does not flash

**Autoignition Temperature** 

Method

No data available

Flammability Limits in Air %:

No information available.

Upper: 75 Lower: 4

Hydrogen, by reaction with metals

#### 10. STABILITY AND REACTIVITY

**Chemical Stability** Conditions to Avoid **Incompatible Products** 

Stable. Hazardous polymerization does not occur. None known.

Strong oxidizing agents, Reducing agents, Amines, Powdered

metals, Light and/or alkaline metals, Contact with metals liberates

**Decomposition Temperature Hazardous Decomposition Products**  No data available

Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Hydrogen chloride

Possibility of Hazardous Reactions

None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

**Product Information** 

No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 **Dermal LD50** Inhalation LC50

No information available No information available

No information available

Gas Mist No information available Vapor No information available

Principle Route of Exposure

Skin contact, Eye confact, Inhalation.

**Primary Routes of Entry** 

Skin Absorption.

**Acute Effects:** 

**Chronic Toxicity:** 

Eyes

Corrosive to the eyes and may cause severe damage including blindness.

Skin Causes skin burns. May cause allergic skin reaction.

inhalation Harmful by inhalation. Causes burns. Risk of serious damage to the lungs (by inhalation). Ingestion

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Components of the product create formation of methemoglobin. May cause sensitization by skin contact. Inhaled corrosive substances can lead to a toxic edema of

the lungs. ' **Target Organ Effects:** Immune system.

**Aggravated Medical Conditions** Skin disorders, Respiratory disorders.

**Component Information** 

Acute Toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Magnesium nitrate 10377-60-3	= 5440 mg/kg ( Rat )	no data available	No data available	No data available	No data available
5-Chloro-2-methyl-4- isothiazolin-3-one 26172-55-4	= 481 mg/kg ( Rat )	no data available	= 1.23 mg/L (Rat) 4·h	No data available	No data available

Chronic Toxicity

Chemical Name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
5-Chloro-2-methyl-4-isothiazolin-3- one 26172-55-4	No data available	Skin sensitization	No data available	No data available	Immune system
2-Methyl-4-isothiazolin-3-one 2682-20-4	No data available	Skin sensitization	No data available	No data available	Immune system

#### 12. ECOLOGICAL INFORMATION

**Product Information** 

No information available.

**Component Information** 

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Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition
				1	coefficier
5-Chloro-2-methyl-4-isothiazolin-3-	EC50 0.11 - 0.16 mg/L	LC50 = 1.6 mg/L Oncorhynchus	EC50 = 5.7 mg/L 16 h	4.71: 48 h Daphnia	0.75
one	Pseudokirchneriella	mykiss 96 h		magna mg/L EC50	
	subcapitata 72 h	•		0.12 - 0.3: 48 h Daphnia	
	EC50 0.03 - 0.13 mg/L			magna mg/L EC50 Flow	
	Pseudokirchneriella			through	
	subcapitata 96 h			0.71 - 0.99: 48 h Daphnia	İ
	·			magna mg/L EC50 Static	i

Persistence and Degradability

No information available. Bioaccumulation No information available. Mobility No information available.

#### 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a

violation of federal law. If these wastes cannot be disposed of by use according to label instructions,

contact your state pesticide or environmental control agency.

**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re -use

empty containers.

#### 14. TRANSPORT INFORMATION

DOT

**Proper Shipping Name** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

**Hazard Class** 8 UN-No UN3265 **Packing Group** 

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-Description

3-0NE),8,PG11----

TDG

Proper shipping name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

**Hazard Class** 8 UN3265 **UN-No** 

**Packing Group** 

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (5 -CHLORO-2-METHYL-4-ISOTHIAZOLIN-Description

3-ONE),8,PG II

ICAO

UN-No UN3265

**Proper Shipping Name** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

**Hazard Class Packing Group** 

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (5 -CHLORO-2-METHYL-4-ISOTHIAZOLIN-**Shipping Description** 

3-ONE),8,PG II

**IATA** 

UN-No UN3265

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. **Proper Shipping Name** 

**Hazard Class** 8 **Packing Group** П **ERG-Code** 8L

**Shipping Description** UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (5 - CHLORO-2-METHYL-4-ISOTHIAZOLIN-

3-ONE),8,PG II

IMDG/IMO

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. UN proper shipping name

**Hazard Class** 8 UN3265 **UN Number** 

Packing Group II EmS No. F-A, S-B

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-Description

3-ONE),8,PG II

## 15. REGULATORY INFORMATION

Inventories

TSCA Complies
DSL Complies

U.S. Federal Regulations

FIFR/

This chemical is a pesticide product registered by the US EPA and is subject to certain labeling requirements under federal pesticide laws.

These requirements differ from the classification criteria and hazard information required for SDSs, and for workplace labels of non -pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER

Corrosive - causes irreversible eye damage Causes skin burns May be fatal if absorbed through skin Harmful if swallowed

#### **SARA 313**

Section.313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS No.	Welght-%	SARA 313 - Threshold Values
Magnesium nitrate	10377-60-3	1-5	1.0

SARA 311/312 Hazardous Categorization

See Section 2

#### **CERCLA**

2	16. OTHER INFORMATION
Prepared By	Adrienne McKee
Supercedes Date	07/14/2017
Issuing Date	04/22/2019
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

CHEM-AQUA, INC assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

# Safety Data Sheet: CHEM-AQUA 31865

Supercedes Date: 07/11/2018 Issuing Date: 01/06/2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CHEM-AQUA 31865

Recommended use Water treatment chemical

Information on Manufacturer

CHEM-AQUA, INC BOX 152170

IRVING, TEXAS 75015

Product Code: 12065536

Chemical nature Aqueous solution of alkali salts

**Emergency Telephone** CHEMTREC® 800-424-9300

Telephone inquiry 972-579-2477

# 2. HAZARD IDENTIFICATION

Color Amber to Yellow Green Physical state Liquid **Odor** Sweet

**GHS** 

Classification

Physical Hazards

Corrosive to Metals

Category 1

Health Hazard

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Category 1

Category 1

Other hazards

None

Labeling Signal Word DANGER



# <u>Hazard statements</u>

H314 - Causes severe skin burns and eye damage

H290 - May be corrosive to metals

# Precautionary Statements

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

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P260 - Do not breathe mist or spray.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P332 + P313 - If skin irritation occurs, get medical attention.

P363 - Wash contaminated clothing before reuse

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 physician.

P304 + P340 - IF INHALED Remove person to fresh air and keep comfortable for breathing

P342 + P311 - If experiencing respiratory symptoms, call a physician.

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a

physician if unwell.

P390 - Absorb spillage to prevent damage.

P406 - Store in a corrosion-resistant container.

P501 - Dispose of contents and container in accordance with applicable regulations

3 % of the mixture consists of ingredient(s) of unknown toxicity.

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium hydroxide	1310-73-2	3-7
Sodium zincate	12179-14-5	1-5
Sodium tolyltriazole	64665-57-2	1-5

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret

#### 4. FIRST AID MEASURES

Do not get in eyes, on skin or on clothing. Do not breathe mist or spray. General advice

**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue

flushing for at least 15 minutes. Get medical attention immediately.

Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least **Skin Contact** 

15 minutes. Get medical attention immediately.

Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial

respiration. Get medical attention immediately.

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never Ingestion

give anything by mouth to an unconscious person.

Treat symptomatically. The product causes burns of eyes, skin and mucous membranes. Control of Notes to physician

circulatory system, shock therapy if needed.

# 5. FIRE-FIGHTING MEASURES

Flash Point Does not flash

Method No data available

Flammability Limits in Air %: Hydrogen, by reaction with Upper: 75

metals.

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Contact with metals may evolve flammable hydrogen gas. Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure -demand, NOHSC (approved or equivalent) and full protective gear.

**NFPA** 

Health 3

Flammability 0

Instability 0

HMIS -

Health 3

Flammability 0

Instability 0

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can **Personal Precautions** 

create slippery conditions.

**Environmental precautions** 

Do not flush into surface water or sanitary sewer system.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, Methods for Containment

diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national

regulations (see section 13).

Methods for Cleaning Up

Pick up and transfer to properly labeled containers.

**Neutralizing Agent** 

Acetic acid, diluted.

# 7. HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or on clothing. Do not breathe mist or spray.

Store in original container. Keep containers tightly closed in a dry, cool and well -ventilated Storage

place. Metal containers must be lined. Freezing will affect the physical condition but will not damage

the material. Thaw and mix before using.

Storage Temperature

Minimum

40 °F / 4 °C

Maximum

110 °F / 43 °C

Lower: 4

Storage Conditions

Indoor

Outdoor

Heated

Refrigerated

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# Evnosura Guidalinas

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
			Ceiling: 2 mg/m <sup>3</sup>

**Engineering Measures** 

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal Protective Equipment** 

**Eye/Face Protection** Tightly fitting safety goggles. Face-shield.

Wear suitable protective clothing, Impervious gloves. **Skin Protection** 

In case of inadequate ventilation wear respiratory protection. When workers are facing **Respiratory Protection** concentrations above the exposure limit they must use appropriate certified respirators.

Wear protective gloves/clothing. Remove and wash contaminated clothing before re-use. Ensure **General Hygiene Considerations** 

that eyewash stations and safety showers are close to the workstation location.

Physical state

Color

Liquid

Amber to Yellow Green

Not applicable

**Odor Threshold** Нq

**Appearance** 

Viscosity

Odor . .

Non viscous Sweet

13.9

**Specific Gravity** 

Transparent - Hazy

**Evaporation Rate** 

0.43 (BuAc = 1)

Percent Volatile (Volume)

1.259 82.7

VOC Content (%) Vapor pressure

0 13.32 mmHg @ 70°F Completely soluble No data available

VOC Content (g/L) **Vapor Density** 0.6 (Air = 1.0)

Melting Point/Range **Boiling Point/Range** 

No data available

n-Octanol/Water Partition **Decomposition Temperature** Flammability (solid, gas)

No data available No data available No data available

Flash Point

Solubility

Does not flash

Method

**Autoignition Temperature** 

No information available.

No data available

Flammability Limits in Air %:

Hydrogen, by reaction with metals Upper: 75 Lower: 4

## 10. STABILITY AND REACTIVITY

**Chemical Stability Conditions to Avoid** 

**Incompatible Products** 

Stable. Hazardous polymerization does not occur.

Keep away from open flames, hot surfaces, and sources of ignition, Extremes of temperature and direct sunlight.

Strong oxidizing agents, Aldehydes, Halogenated hydrocarbon, Acid

anhydrides, Acids, Bases.

Decomposition Temperature No data available

**Hazardous Decomposition Products** 

Hydrogen, by reaction with metals, Carbon oxides, Zinc oxide fumes, Sulfur oxides, Sodium oxides, Hydroxide, Oxides of

phosphorus.

Possibility of Hazardous Reactions

None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

**Product Information** 

No information available.

The following values are calculated based on chapter 3.1 of the GHS document

No information available Oral LD50 No information available Dermal LD50

Inhalation LC50

No information available Gas Mist No information available No information available Vapor

Principle Route of Exposure

Skin contact, Eve contact, Inhalation.

**Primary Routes of Entry** 

Skin contact, Eye contact.

**Acute Effects:** Eyes

Causes skin burns.

Inhalation

Harmful by inhalation. Causes burns.

Ingestion

Skin

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the

esophagus and the stomach. May be fatal if swallowed.

**Chronic Toxicity** 

Inhaled corrosive substances can lead to a toxic edema of the lungs. Skin, Eyes, Respiratory system.

Corrosive to the eyes and may cause severe damage including blindness.

**Target Organ Effects: Aggravated Medical Conditions** 

Skin disorders, Respiratory disorders.

**Component Information Acute Toxicity** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Sodium hydroxide 1310-73-2	= 325 mg/kg ( Rat )	= 1350 mg/kg ( Rabbit )	No data available	No data available	No data available
Sodium tolyltriazole 64665-57-2	640 mg/kg	> 2000 mg/kg ( Rabbit )	No data available	No data available	No data available

**Chronic Toxicity** 

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system

Carcinogenicity

There are no known carcinogenic chemicals in this product.

# 12. ECOLOGICAL INFORMATION

Additional Ecological Information: No information available

**Component Information** 

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition
					coefficien
Sodium hydroxide	No information available.	LC50 = 45.4 mg/L Oncorhynchus	No information available	No information available.	N/A
		mykiss 96 h			

Persistence and Degradability

Bioaccumulation

Mobility

No information available.

No information available.

No information available.

## 13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.

Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re -use

empty containers.

# 14. TRANSPORT INFORMATION

DOT

Proper Shipping Name SODIUM HYDROXIDE SOLUTION

Hazard Class 8

UN-No UN1824

Packing Group

Description UN1824, SODIUM HYDROXIDE SOLUTION, 8, PG II

**TDG** 

Proper shipping name SODIUM HYDROXIDE SOLUTION

Hazard Class 8
UN-No UN1824
Packing Group II

Description -- UN1824, SODIUM HYDROXIDE SOLUTION, 8, PG II

**ICAO** 

UN-No UN1824

Proper Shipping Name SODIUM HYDROXIDE SOLUTION

Hazard Class 8

Packing Group

Shipping Description UN1824, SODIUM HYDROXIDE SOLUTION, 8, PG II

IATA

UN-No UN1824

Proper Shipping Name SODIUM HYDROXIDE SOLUTION

Hazard Class 8
Packing Group II
ERG-Code 8L

Shipping Description UN1824, SODIUM HYDROXIDE SOLUTION, 8, PG II

IMDG/IMO

UN proper shipping name SODIUM HYDROXIDE SOLUTION

 Hazard Class
 8

 UN Number
 UN1824

 Packing Group
 II

 EmS No.
 F-A, S-B

Description UN1824, SODIUM HYDROXIDE SOLUTION, 8, PG II

# 15. REGULATORY INFORMATION

Inventories

TSCA Complies DSL Complies

U.S. Federal Regulations

**SARA 313** 

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values
Sodium zincate	12179-14-5	1-5	1.0

#### SARA 311/312 Hazardous Categorization

See Section 2

#### CERCLA

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs
Sodium hydroxide	1000 lb	Not applicable

## 16. OTHER INFORMATION

Prepared By Pamela Starkey
Supercedes Date: 07/11/2018
Issuing Date: 01/06/2020

Reason for Revision
Glossary
No information available.
No information available.
No information available.

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