

Safety Data Sheet: CHEM-AQUA 83850

Supersedes Date 08/27/2010

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHEM-AQUA 83850
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA, INC
BOX 152170
IRVING, TEXAS 75015

Product Code 0C83
Chemical nature Polymers and Petroleum emulsion
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Milky

Physical State Liquid

Odor Petroleum distillates

GHS

Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

Specific target organ systemic toxicity (single exposure)

Category 3

Specific target organ systemic toxicity (repeated exposure)

Category 2

Other hazards

None

Labeling

Signal Word

WARNING



Hazard Statements

H320 - Causes eye irritation

H336 - May cause drowsiness or dizziness

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

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

P260 - Do not breathe mist.

P271 - Use in a well-ventilated area.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

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

P312 - Call a physician if unwell.

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

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

36 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % |
|---|------------|----------|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | 25987-30-8 | 15-40 |
| Petroleum distillates, hydrotreated light | 64742-47-8 | 15-40 |
| Nonyl phenol polyethylene glycol ether | 9016-45-9 | 1-5 |
| Sorbitan oleate | 1338-43-8 | 1-5 |

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

| | |
|---------------------------|--|
| Skin Contact | Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use. |
| Inhalation | If inhaled, remove to fresh air. Get medical attention if symptoms occur. |
| Ingestion | Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. |
| Notes to physician | Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

| | | | |
|--|---|-----------------------|----------------------|
| Flash Point | Does not flash | Method | Not applicable |
| Flammability Limits in Air % | No information available. | Upper | No data available |
| | | Lower | No data available |
| Suitable Extinguishing Media | Water spray. Foam. Carbon dioxide (CO ₂). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. | | |
| Specific hazards arising from the chemical | Material can create slippery conditions. | | |
| Protective Equipment and Precautions for Firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. | | |
| NFPA | Health 1 | Flammability 1 | Instability 0 |
| HMIS | Health 1 | Flammability 1 | Instability 0 |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|---|
| Personal Precautions | Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. |
| Environmental Precautions | Do not flush into surface water or sanitary sewer system. |
| Methods for Containment | Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). |
| Methods for Cleaning Up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) |
| Neutralizing Agent | Not applicable. |

7. HANDLING AND STORAGE

| | | | | |
|----------------------------|---|--------------|----------------|-----------------------------------|
| Handling | Avoid contact with skin, eyes and clothing. Avoid breathing mist. | | | |
| Storage | Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. | | | |
| Storage Temperature | Minimum | 35 °F / 2 °C | Maximum | 86 °F / 30 °C |
| Storage Conditions | Indoor | X | Outdoor | Heated Refrigerated |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH |
|---|---------------------------|-------------------|-------------------|
| 2-Propenoic acid, polymer with 2-propenamido, sodium salt | No data available | No data available | No data available |
| Petroleum distillates, hydrotreated light | 525 mg/m ³ TWA | No data available | No data available |
| Nonyl phenol polyethylene glycol ether | No data available | No data available | No data available |
| Sorbitan oleate | No data available | No data available | No data available |

| | |
|---------------------------------------|--|
| 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 | Safety glasses with side-shields. |
| Skin Protection | For prolonged or repeated contact, use protective gloves with appropriate chemical resistance. |
| Respiratory Protection | In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| General Hygiene Considerations | Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------|-----------------------|----------------------------------|-----------------------|
| Physical State | Liquid | Viscosity | Viscous |
| Color | Milky | Odor | Petroleum distillates |
| Odor Threshold | Not applicable | Appearance | Opaque |
| pH | 8 | Specific Gravity | 1.05 |
| Evaporation Rate | < 1 (Butyl acetate=1) | Percent Volatile (Volume) | 58 |

| | | | |
|-------------------------------------|---------------------------|----------------------------------|-------------------|
| VOC Content (%) | 28 | VOC Content (g/L) | 294 |
| Vapor Pressure | 0.03 mmHg @ 70°F | Vapor Density | > 1 (Air = 1.0) |
| Solubility | Emulsifiable | n-Octanol/Water Partition | No data available |
| Melting Point/Range | No data available | Decomposition Temperature | No data available |
| Boiling Point/Range | 468 °F / 242 °C | Flammability (solid, gas) | No data available |
| Flash Point | Does not flash | Method | Not applicable |
| Autoignition Temperature | No information available. | | |
| Flammability Limits in Air % | No information available. | Upper | No data available |
| | | Lower | No data available |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Chemical Stability | Stable. Hazardous polymerization does not occur. |
| Conditions to Avoid | None known |
| Incompatible Products | Strong oxidizing agents |
| Hazardous Decomposition Products | Carbon oxides, Nitrogen oxides (NOx). |
| Possibility of Hazardous Reactions | None under normal processing |

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

| | |
|------------------------|--------------------------|
| Oral LD50 | No information available |
| Dermal LD50 | No information available |
| Inhalation LC50 | |
| Gas | No information available |
| Mist | No information available |
| Vapor | No information available |

| | |
|------------------------------------|--|
| Principle Route of Exposure | Skin contact, Eye contact, Inhalation. |
| Primary Routes of Entry | Inhalation |

Acute Effects

| | |
|-------------------|--|
| Eyes | May cause eye irritation. |
| Skin | May cause skin irritation. |
| Inhalation | May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. |

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| | |
|-------------------------|--|
| Chronic Toxicity | Prolonged skin contact may defat the skin and produce dermatitis. Liver and kidney injuries may occur. |
|-------------------------|--|

Target Organ Effects Respiratory system, Central nervous system, Liver, Kidney.

Aggravated Medical Conditions Respiratory disorders, Liver disorders, Kidney disorders.

Component Information

Acute Toxicity

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | Draize Test | Other |
|---|----------------------|-------------------------|-------------------|-------------------|-------------------|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | no data available | no data available | no data available | no data available | no data available |
| Petroleum distillates, hydrotreated light | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | no data available | no data available | no data available |
| Nonyl phenol polyethylene glycol ether | = 2590 mg/kg (Rat) | = 1780 µL/kg (Rabbit) | no data available | no data available | no data available |
| Sorbitan oleate | no data available | no data available | no data available | no data available | no data available |

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|---|-------------------|-------------------|------------------------|-----------------------|--|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | no data available | no data available | no data available | no data available | no data available |
| Petroleum distillates, hydrotreated light | no data available | no data available | no data available | no data available | respiratory system, liver, kidney, CNS |
| Nonyl phenol polyethylene glycol ether | no data available | no data available | no data available | no data available | no data available |
| Sorbitan oleate | no data available | no data available | no data available | no data available | no data available |

Carcinogenicity

There are no known carcinogenic chemicals in this product.

| Component | ACGIH | IARC | NTP | OSHA | Other |
|---|----------------|----------------|----------------|----------------|----------------|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | not applicable | not applicable | not applicable | not applicable | not applicable |
| Petroleum distillates, hydrotreated light | not applicable | not applicable | not applicable | not applicable | not applicable |
| Nonyl phenol polyethylene glycol ether | not applicable | not applicable | not applicable | not applicable | not applicable |

| | | | | | |
|-----------------|----------------|----------------|----------------|----------------|----------------|
| Sorbitan oleate | not applicable | not applicable | not applicable | not applicable | not applicable |
|-----------------|----------------|----------------|----------------|----------------|----------------|

12. ECOLOGICAL INFORMATION

Product Information

| | | |
|---|---|---|
| Toxicity to algae > 100 mg/L 72 h | Toxicity to fish > 100 mg/L 96h | Daphnia magna (Water flea) > 100 mg/L 48h |
|---|---|---|

Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Water Flea | log Pow |
|---|-------------------|---|-------------------|--|---------|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | no data available | no data available | no data available | no data available | N/A |
| Petroleum distillates, hydrotreated light | no data available | LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h LC50 = 45 mg/L Pimephales promelas 96 h | no data available | 4720: 96 h Dendronereides heteropoda mg/L LC50 | N/A |
| Nonyl phenol polyethylene glycol ether | no data available | no data available | no data available | no data available | N/A |
| Sorbitan oleate | no data available | no data available | no data available | no data available | N/A |

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility 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.

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated

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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

| | | | | |
|-----------------------------------|-------------------------------------|--------------------------|--|------------------------------|
| Acute Health Hazard Yes | Chronic Health Hazard Yes | Fire Hazard No | Sudden Release of Pressure Hazard No | Reactive Hazard No |
|-----------------------------------|-------------------------------------|--------------------------|--|------------------------------|

CERCLA

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|---|--------------------------|----------------|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | Not applicable | Not applicable |
| Petroleum distillates, hydrotreated light | Not applicable | Not applicable |
| Nonyl phenol polyethylene glycol ether | Not applicable | Not applicable |
| Sorbitan oleate | Not applicable | Not applicable |

16. OTHER INFORMATION

| | |
|----------------------------|---------------------------|
| Prepared By | Devon Kebodeaux |
| Supersedes Date | 08/27/2010 |
| Issuing Date | 04/04/2014 |
| Reason for Revision | No information available. |
| Glossary | No information available. |
| List of References. | No information available. |

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