

SECTION 1: IDENTIFICATION**1.1. Product Identifier****Product Form:** Mixture**Product Name:** CT-3426**1.2. Intended Use of the Product**

Cooling Water Inhibitor. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party**Company**

Synthex Organics, LLC

4601 Cortland Avenue

Altoona, PA 16601

(814) 941 - 8375

www.synthexorganics.net**1.4. Emergency Telephone Number****Emergency Number** : Call CHEMTREC Day or Night 1 (800) 424 - 9300 / +1 (703) 527 – 3887**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the Substance or Mixture****GHS-US/CA Classification**

None.

2.2. Label Elements**GHS-US/CA Labeling****Hazard Pictograms (GHS-US/CA)** : None.**Signal word (GHS-US)** : None.**Hazard Statements (GHS-US/CA)** : None.**Precautionary Statements (GHS-US/CA)** : None.**2.3. Other Hazards**

None known

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substance**

Not applicable

3.2. Mixture

Name	Product Identifier	%
Contains no reportable hazardous substances		

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES**4.1. Description of First-aid Measures****Inhalation:** No hazards which require special first aid measures. Move to fresh air.**Skin:** Wash off with plenty of water. Get medical attention if irritation develops and persists.**Eye Contact:** In case of contact, rinse immediately with plenty of water and seek medical advice.**Ingestion:** If swallowed, DO NOT induce vomiting, unless directed to do so by medical personnel. Get medical attention.**4.2. Most Important Symptoms and Effects Both Acute and Delayed****General:** None under normal use

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Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

None reasonably foreseeable.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water, Water spray, Foam, Carbon dioxide (CO₂), Dry powder. Warning! Spills produce extremely slippery surfaces.

Unsuitable Extinguishing Media: None known.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x), sulfur oxides (SO_x), Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. 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: No special protective measures against fire required.

Hazardous Combustion Products: Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x), sulfur oxides (SO_x), Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

Other Information: No information available

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: No special precautions required. Spills produce extremely slippery surfaces.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Wear adequate protective equipment (see Section 8 Exposure Controls/Personal Protection).

Emergency Procedures: Keep people away from spill/leak. Prevent further leakage or spillage if safe to do so.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Keep people away from spill/leak. Prevent further leakage or spillage if safe to do so.

6.2. Environmental Precautions

As with all chemical products, do not flush into surface water.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up:

Small spills: Do not flush with water. Soak up with inert absorbent material., Sweep up and shovel into suitable containers for disposal.

Large spills: Do not flush with water. Soak up with absorbent material. Clean up promptly by scoop or vacuum.

Residues: After cleaning, flush away traces with water.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for Safe Handling:** Renders surfaces extremely slippery when spilled.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep container tightly closed. Freezing will affect the physical condition and may damage the material.

Incompatible Materials: None known.

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7.3. Specific End Use(s)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Hazardous components with workplace control parameters

Ingredients	CAS-No.	OSHA PEL	ACGIH TWA
None known			

8.2. Exposure Controls

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists. Ensure adequate ventilation, especially in confined spaces.

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



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: PVC or other plastic material gloves. Be aware that liquid may permeate gloves, frequent change is advised.

Suitable gloves can be recommended by the glove supplier. The selected protective gloves may have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Eye Protection: Safety glasses with sides shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and Body Protection: Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Breathing apparatus needed only when aerosol or mist is formed. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). No personal respiratory protective equipment normally required.

Hygiene measures: Wash hands before breaks and at the end of workday. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear to slightly yellow
Odor	: Slight
Odor Threshold	: Not available
pH	: 3 - 7
Evaporation Rate	: Not available
Melting Point/Freezing Point	: < 5 °C
Boiling Point	: >100 °C
Flash Point	: Does not flash
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: 2.3 kPa @ 20 °C
Vapor Density	: Equivalent to water
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: 1.0 – 1.4

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Solubility	: Soluble
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** None known
- 10.5. Incompatible materials:** None known.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: nitrogen oxides (NOx), carbon oxides (Cox), sulfur oxides (Sox), Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): LD50/oral/rat >5000 mg/kg (Estimated)

Acute Toxicity (Dermal): LD50/dermal rat >5000 mg/kg. (Estimated)

Acute Toxicity (Inhalation): Testing by the inhalation route is inappropriate because exposure of humans via inhalation is unlikely: the substance has no vapor pressure and there is practically no exposure to inhalable aerosols.

Skin Corrosion/Irritation: By analogy with similar products, the product is not expected to be irritating.

Eye Damage/Irritation: By analogy with similar products, this product is not expected to be irritating.

Respiratory or Skin Sensitization: By analogy with similar products, this product is not expected to be sensitizing.

Germ Cell Mutagenicity: By analogy with similar products, this product is not expected to be mutagenic.

Carcinogenicity: By analogy with similar products, this product is not expected to be carcinogenic.

Specific Target Organ Toxicity (Repeated Exposure): No known effect

Reproductive Toxicity: By analogy with similar products, this product is not expected to be toxic for reproduction.

Specific Target Organ Toxicity (Single Exposure): No known effects.

Aspiration Hazard: No hazards resulting from the material as supplied.

Symptoms/Injuries After Inhalation: Not classified based on available information.

Symptoms/Injuries After Skin Contact: Not classified based on available information.

Symptoms/Injuries After Eye Contact: Not classified based on available information.

Symptoms/Injuries After Ingestion: Not classified based on available information.

Chronic Symptoms: Not classified based on available information.

Further information: Not classified based on available information.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Information on the product as supplied	
Acute toxicity to fish:	LC50/Oncorhynchus mykiss/96 hours >100 mg/L (Estimated)
Acute toxicity to invertebrates:	EC50/Daphnia Magna/48 hours >100 mg/L (Estimated)
Acute toxicity to algae:	IC50/Algae/72 hours >100 mg/L (Estimated)

12.2. Persistence and Degradability

Persistence and Degradability	Not readily biodegradable.
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12.3. Bioaccumulative Potential

Bioaccumulative Potential	This product is not expected to bioaccumulate.
Partition coefficient (log Pow)	~0

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12.4. Mobility in Soil Not available

12.5. Other Adverse Effects

Other Information: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations. Can be landfilled or incinerated, when in accordance with local regulations.

Additional Information: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

Ecology - Waste Materials: Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances	
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed
U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
Superfund Amendments and Reauthorization Act of 1986	(SARA) Hazard categories Immediate Hazard – No Delayed Hazard – No Fire Hazard – No Pressure Hazard – No Reactivity Hazard - No
SARA 302 Extremely hazardous substance	Not listed
SARA 311/312 Hazardous Chemical	Not listed
SARA 313 (TRI Reporting)	None present or none present in regulated quantities
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated.

15.2. US State Regulations

Not regulated

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

Revision Date : 12/09/2022
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

NFPA and HMIS Ratings:

<u>NFPA:</u>	
Health:	0
Flammability:	0
Instability:	0
<u>HMIS:</u>	
Health:	0
Flammability:	0
Physical Hazard:	0
PPE Code:	B

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.

NA GHS SDS 2015 (US, Can, Mex)