



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: CSI-155LW
Product Use: Anti-scalant
Manufactured For: Clearpoint Chemicals, LLC

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Fairhope, AL 36532
USA
Telephone: (251) 990-7311

2. HAZARD(S) IDENTIFICATION

Physical state: Liquid. [CLEAR, COLORLESS, FLAMMABLE, POISONOUS LIQUID WITH CHARACTERISTIC PUNGENT ODOR]

Emergency overview: WARNING
FLAMMABLE LIQUID AND VAPOR. MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA
Flammable liquid. Keep away from heat, sparks and flame. Avoid breathing vapor or mist. Avoid contact with skin and clothing. May cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use.

Target organs: May cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS)

Potential acute health effects

Eyes: May cause eye irritation.
Skin: May cause skin irritation.
Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Potential chronic health effects: CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by over-exposure: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

POLYCARBOXYLIC ACID SALT MIXTURE	CAS No.: N/A	EC No.:	10-40%
METHANOL	67-56-1		20-40%
GHS Classification Not classified.			

Composition Comments

Aqueous solution of Salts of Polycarboxylic Acids

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention.

Skin Contact

Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

Most important symptoms and effects, both acute and delayed

Inhalation

No specific symptoms noted. Irritation of nose, throat and airway.

Ingestion

No specific symptoms noted. May cause discomfort if swallowed.

Skin Contact

No specific symptoms noted. Prolonged skin contact may cause redness and irritation.

Eye Contact

No specific symptoms noted. May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)

Not available.

Flammability Limit - Lower(%)

Not available.

Flammability Limit - Upper(%)

Not available.

Flash point (°C)

Not available.

Extinguishing Media

The product is non-combustible. Use: Water spray, fog or mist. Foam, carbon dioxide or dry powder.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific Hazards

Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Oxides of: Phosphorus.

Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

Protective Equipment For Fire-Fighters

Leave danger zone immediately. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Follow precautions for safe handling described in this material safety data sheet. For personal protection, see section 8.

Environmental Precautions

Avoid release to the environment. To prevent release, place container with damaged side up.

Spill Clean Up Methods

Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

Reference to other sections

For waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

Storage

Store in tightly closed original container in a dry and cool place. Store at temperature below 50°C. Do not store for extended periods below freezing point or in direct sunlight. IF FROZEN: once fully thawed, agitate container vigorously to ensure the product is homogeneous. Store away from: Oxidizing material. Keep separate from food, feedstuffs, fertilizers and other sensitive material.

Storage Class

Unspecified storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Comments

No exposure limits noted for ingredient(s).

Protective Equipment



Engineering Measures

Provide adequate ventilation.

Respiratory Equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand Protection

Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye Protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene Measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash contaminated clothing before reuse.

Skin Protection

Wear apron or protective clothing in case of splashes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Clear to pale yellow
Odor	Slight odor.
Solubility	Miscible with water
Initial boiling point and boiling range (°C)	103 @ 760 mm Hg
Melting point (°C)	N/A
Relative density	1.02 - 1.06 @ 20 °C
Vapor pressure	
Not available.	
Evaporation rate	
Not available.	
pH-Value, Conc. Solution	3.5 - 4.5
Viscosity	N/A
Decomposition temperature (°C)	> 180
Odour Threshold, Lower	
Not available.	
Odour Threshold, Upper	
Not available.	
Flash point (°C)	
Not available.	
Auto Ignition Temperature (°C)	
Not available.	
Flammability Limit - Lower(%)	
Not available.	
Flammability Limit - Upper(%)	log Pow < 0
Not available.	
Partition Coefficient (N-Octanol/Water)	
Explosive properties	
Not applicable.	
Oxidising properties	

Does not meet the criteria for oxidizing. Not available.

10. STABILITY AND REACTIVITY

Reactivity

May react with alkalis and generate heat.

Stability

Stable under normal temperature conditions and recommended use.

Hazardous Polymerization

Will not polymerize.

Conditions To Avoid

Avoid excessive heat for prolonged periods of time.

Materials To Avoid

Strong alkali. Strong reducing agents.

Hazardous Decomposition Products

Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Oxides of: Phosphorus, Nitrogen, and Sulphur

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11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Acute Toxicity (Oral LD₅₀)

> 5000 mg/kg Rat

Supplemental Toxicological Information

A 90-day oral toxicity study in rats indicated bone damage and kidney effects at high doses. The effect for humans is unknown.

Ecotoxicity

The product is not expected to be hazardous to the environment.

Acute Toxicity - Fish

LC₅₀ 96 hours > 1000 mg/l *Cyprinodon variegatus* (Sheepshead minnow)

Acute Toxicity - Aquatic Invertebrates

EC₅₀ 48 hours > 320 mg/l *Daphnia magna*

EC₅₀ 48 hours 186 mg/l *Acartia tonsa*

Acute Toxicity - Aquatic Plants

EC₅₀ 72 hours > 1000 mg/l *Skeletonema costatum*

Degradability

Not readily biodegradable

Bioaccumulative potential

The product does not contain any substances expected to be bio-accumulating.

Partition coefficient

log Pow < 0

Mobility:

The product is miscible with water. May spread in water systems.

Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATIONS

Waste Management

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

Liquid material should be incinerated. Material absorbed onto sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal.

14. TRANSPORT INFORMATION

D.O.T. SHIPPING NAME: Alcohol, N.O.S. (Contains Methanol)

D.O.T. HAZARD CLASS: Flammable Liquid, 3

U.N. NUMBER: 1993

D.O.T. PLACARD: Flammable Liquid
D.O.T. LABEL CODE: Flammable Liquid
PACKAGING CLASSIFICATION: Packing Group 2
D.O.T. REPORTABLE QUANTITY: 5000 lbs

15. REGULATORY INFORMATION

Regulatory Status (US)

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required. TSCA: The ingredients of this product are on the TSCA Inventory. This Product is Not Hazardous under the OSHA Hazard Communication Standard.

Regulatory References

29 CFR 1910.1010 Federal Regulations (OSHA Standard).

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

FDA – Essential Chemical

None of the ingredients are listed.

FDA – Precursor Chemical

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed.

California Air Toxics “Hot Spots” (A-I)

None of the ingredients are listed.

California Air Toxics “Hot Spots” (A-II)

None of the ingredients are listed.

Massachusetts "Right To Know" List

None of the ingredients are listed.

Rhode Island "Right To Know" List

None of the ingredients are listed.

Minnesota "Right To Know" List

None of the ingredients are listed.

New Jersey "Right To Know" List

None of the ingredients are listed.

Pennsylvania "Right To Know" List

None of the ingredients are listed.

International Inventories

EU - EINECS/ELINCS

All ingredients are listed or exempt.

Canada – DSL/NDSL

All ingredients are listed or exempt.

US - TSCA

All ingredients are listed or exempt.

US – TSCA 12(b) Export Notification

None of the ingredients are listed.

Australia - AICS

All ingredients are listed or exempt.

Japan – MITI

All ingredients are listed or exempt.

Korea - KECI

All ingredients are listed or exempt.

China - IECSC

All ingredients are listed or exempt.

Philippines – PICCS

All ingredients are listed or exempt.

New Zealand - NZIOC

The following ingredients are listed.

WATER

16. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH		2
FLAMMABILITY	1	3
PHYSICAL	1	0
PERSONAL PROTECTION	X	

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

