Safety Data Sheet
CI-1002 CORROSION INHIBITOR

Section 1 – Product and Company Information

Product Identifiers

Name	CI-1002 Corrosion Inhibitor
Number	CI-1002
Brand	Jenfab Cleaning Solutions
Product Use	Ferrous Metal Only, aqueous based, corrosion inhibitor.

Supplier

Name	Jenfab Cleaning Solutions
Address	1435 N. Alliance Ave, Springfield, MO 65802 www.Jenfab.com
Telephone	(417) 866-8855 - (417) 866-8804 Fax
Prepared/Revised	August 26, 2022

Section 2 – Hazard Identification

Classification of the substance or mixture

Physical Hazard: Not Classified.

Health Hazards: Acute toxicity, Oral (Category 4), Harmful if swallowed.
Skin Corrosion / Irritation (Category 2), Causes skin irritation.
Eye Damager/Irritation (Category 2A), Causes serious eye irritation.



Environmental Hazards: Not Classified.

GHS Label elements and precautionary statements

Pictogram: Exclamation Mark

Signal word: **WARNING**

Prevention: Wash hands or other contact areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/ face protection. Wear protective gloves.

Response: IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell.
IF ON SKIN: Wash with plenty of water. Specific treatment: See Section 4: First Aid Measures. Take off contaminated clothing and wash it before reuse. If skin irritation persists: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Storage: None

Disposal: Dispose of container or contents in accordance with all regulations.

Hazards not otherwise classified or not covered by GHS.

HMIS Rating: Health hazard: 2 Chronic Health Hazard: Flammability: 0 Physical Hazard 0
NFPA Rating: Health hazard: 2 Fire Hazard: 0 Reactivity Hazard: 0

Supplemental Information

See Section 16 for alphanumeric H-Statements and P-Statements.

Section 3 – Composition/Information on Ingredients

Component	CAS	% Wt.
Triethanolamine	102-71-6	5-10

This composition consists of a combination of ingredients. The ones potentially contributing to classified hazards are reported above. The above chemistries are provided for industrial hygiene and environmental purposes and are not intended to represent product specifications.

Section 4 – First Aid Measures

Description of first aid measures
General advice: Move out of dangerous area. Consult a physician. Show this SDS to the doctor and first responders.
In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
In case of skin contact: Wash with plenty of water. Take off all contaminated clothing. Wash contaminated clothing before reuse. Seek immediate medical attention if you feel unwell.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Contact a POISON CENTER/doctor/see immediate medical attention.
If swallowed: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention. Specific treatment is shown. Rinse mouth.
Most important symptoms and effects, both acute and delayed: See Sections 2 and 11.
Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5 – Firefighting Measures

Extinguishing Media
Suitable Extinguishing Media: Use dry chemical, foam or water fog to extinguish.
Unsuitable Extinguishing Media: Do not use direct water stream.
Special hazards arising from the substance or mixture: Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiate at sufficient concentrations).
Advice for firefighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).
Further information: If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid breathing fume/gas/mist/spray. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.
Environmental precautions: Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up: Contain spilled material if possible. Use absorbents for small spills. Vacuum larger spills. Use suitable and properly labeled containers. Dispose of contents/container to an approved waste disposal plant. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Reference to other sections-resources: For additional information, refer to Section 8: Exposure Controls and Personal Protection, Section 7: Handling, Section 12: Ecological Information, Section 13: Disposal Considerations and OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120).

Section 7 – Handling and Storage

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see Section 2.
Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Specific end use

See Section 1.

Section 8 – Exposure Control and Personal Protection

Control parameters - Components with workplace control parameters
Triethanolamine (102-71-6): 2,2',2''-Nitrilotriethanol 102-71-6 TWA 5 mg/m3 ACGIH TLV Remarks Eye irritation Skin irritation
Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Facilities storing, packaging or utilizing product should be equipped with an eyewash and a safety shower facility. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Personal protective equipment
Safety glasses and chemical resistant gloves are recommended. Guidelines may not apply to every situation. Obtain detailed information from OSHA Personal Protective Equipment Standard (29 CFR 1910.132) and equipment suppliers.
Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection: Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good practices. Wash and dry hands.
Respiratory protection: Use when overexposure potential. Improper use of respirators is dangerous. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).
Control of environmental exposure
Do not let product enter drains. Discharge into the environment must be avoided

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties
Physical State: Liquid
Color: Transparent, Non-Viscous Blue
Odor: Mild
Odor Threshold: Not Determined
pH: 10.2 (9.5 @1%)
Melting Point/ Freezing Point: Not Determined
Boiling Point/Range: >212°F / Not Determined
Flash Point: Not Combustible
Evaporation Rate (Butyl Acetate = 1): Not Determined
Flammability (solid, gas): Not Determined
Flammable Limits: In Air Lower/Upper: Not Combustible
Vapor Pressure: As Water
Vapor Density (air = 1): As Water
Specific Gravity (H2O = 1): 1.17
Solubility in water (by weight): 100%
Partition coefficient, n-octanol/water (log Pow) Not Determined
Autoignition Temperature: Not Combustible
Decomposition Temperature: Not Determined
Viscosity: As Water
Other information Volatility (wt. %): 0%
Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

Section 10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: When in contact with incompatible materials.
Conditions to avoid: Contact with incompatible materials and temperature extremes.
Incompatible materials: Strong oxidizers.
Hazardous decomposition products: Does not decompose under normal conditions.
Other decomposition products: During fire, thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiate at sufficient concentrations).

Section 11 – Toxicity Information

Information on Toxicological Effects
Component toxicity: Triethanolamine (102-71-6): Acute toxicity LD50 Oral - Mouse - 5,846 mg/kg
Mixture toxicity: Inhalation – Dermal - Skin corrosion/irritation - Eye damage/eye irritation – Respiratory/skin sensitization - Germ cell mutagenicity – Reproductive toxicity - Specific target organ toxicity - single exposure - Specific target organ toxicity - repeated exposure - Aspiration hazard: All no data available - Carcinogenicity: No component of

this product present at levels greater than or equal to 0.1% is classified as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).
Additional Information: None known.

Section 12 – Ecological Information

Ecotoxicity
Component ecotoxicity: Triethanolamine (102-71-6): Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 450 - 1,000 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia (water flea) - 609.98 mg/l - 48 h
Mixture ecotoxicity: Toxicity to Fish - Persistence and Biodegradability - Bioaccumulative Potential - Mobility in Soil: No data available for mixture.
Other adverse effects: None known.

Section 13 – Disposal Consideration

Waste treatment methods
Product: Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging: Contaminated packaging 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.

Section 14 – Transport Information

DOT: Not Regulated – **IATA**: Not Regulated – **IMDG**: Not Regulated

Section 15 – Regulatory Information

Federal
TSCA: Components of this product are listed or exempt from the TSCA Inventory.
CERCLA: None.
RCRA: None of the ingredients are currently listed as a substance or a source waste under current RCRA regulations (40
SARA TITLE III: (Superfund Amendments and Reauthorization Act)
302 Components: None are subject to the reporting requirements of Section 302.
313 Components: None.
311/312 Hazards: Acute, Health
States
State Right to Know Components: MA, PA and NJ: Triethanolamine (102-71-6)– Water (7732-18-5) -
California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
Canada
DSL: This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List (DSL).
WHMIS: Triethanolamine (102-71-6) - Sodium Nitrite (7632-00-0): Uncontrolled products.

Section 16 – Other Information

Full alphanumeric H-Statements and P-Statements.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
P264 Wash hands or other contact areas thoroughly after handling.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection/ face protection.
P301+P312 IF SWALLOWED: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment: See Section 4: First Aid Measures.
P330 Rinse mouth.
P332 + P313 If skin irritation persists: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362+364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of container or contents in accordance with all regulations.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.