CI-1008

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product Name • CI-1008

Product Formula • CI1008

RELEVANT IDENTIFIED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Relevant Use • Mild pH Cleaner For All Metals

SUPPLIER DETAILS

• **JENFAB**
1435 N. Alliance Ave.
Springfield, MO 65802
Ph: 417-866-8855
Fx: 417-866-8004
www.jenfab.com

SECTION 2: HAZARD IDENTIFICATION

United States (US) - According to OSHA 29 CFR 1920.1200 Hazard Communication Standard

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Hazard Classification •

Skin Corrosion/Irritation - 2

Serious Eye Damage/Eye Irritation - 2A

LABEL ELEMENTS

Signal Word and Pictogram •

Warning

Warning



HAZARD STATEMENTS

H315	Causes skin irritation
H319	Causes serious eye irritation

PRECAUTIONARY STATEMENTS

P264	Wash thoroughly after handling.
P264	Wash thoroughly after handling.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment for active ingredient poisoning is required.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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	If eye irritation persists: consult a doctor.

OTHER HAZARDS •





SECTION 3: COMPOSITION INFORMATION ON

Chemical Identity	CAS	Percent Weight
Ethanolamine	141-43-5	<6
No other reportable hazardous materials.	N/A	

SECTION 4: FIRST AID MEASURES

INHALATION • If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Call a physician immediately.

SKIN • Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse.

EYE • Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician if irritation persists.

INGESTION • Do not induce vomiting. Never give anything by mouth to an unconscious person. Dilute by drinking two large glasses of water. Call a physician immediately.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA • Use non-flammable or non-explosive extinguishing media.

SPECIFIC •

HAZARDS

No known unusual hazards in a fire or explosion situation.

SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS

- In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL

- For non-emergency personnel, ventilate area of leak or spill and remove all ignition sources. Wear appropriate personal protective equipment as required to prevent any contamination of skin, eyes, and personal clothing. Isolate release area. Do not touch or walk through spilled material unless wearing the appropriate protective equipment. Keep unnecessary and unprotected personnel from entering.

FOR EMERGENCY RESPONDERS

- For emergency responders, as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. This product is not flammable. If container is on fire, stay out of smoke. Stay upwind. Ventilate closed spaces before entering.

ENVIRONMENTAL PRECAUTIONS

ACCIDENTAL RELEASE ENVIRONMENTAL

- Stop leak if you can do it without risk. If possible, keep from entering into storm drains, surface water, or ground water. This product is biodegradable.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

CONTAINMENT AND CLEANUP

- Contain and recover liquid when possible. Cover drains or cap spill when safe. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Small spills may be flushed to the sanitary sewer with approval from local authorities.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

CONDITIONS FOR SAFE STORAGE AND INCOMPATIBILITIES

- Protect against physical damage. No special storage requirements. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

Chemical Identity	CAS	TLV
Ethanolamine	141-43-5	3 ppm

No other reportable hazardous materials.	N/A	N/A

APPROPRIATE ENGINEERING CONTROLS

- Use adequate ventilation systems as needed to maintain air concentrations below occupational exposure standards.

INDIVIDUAL PROTECTIONS MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

EYE / FACE PROTECTION
- Chemical safety glasses.

SKIN PROTECTION
- None required under normal, temporary use. For long periods of contact, nitrile gloves are recommended.

RESPIRATORY PROTECTION
- None required under normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear amber liquid.	**Lower Limits**	Not available.
Odor	Slight ammonia odor.	**Vapor Pressure**	Not available.
pH	11.2 neat	**Vapor Density**	Not available.
Melting Freezing Point	Not available.	**Relative Density**	1.09 g/ml
Initial Boiling Point	Not available.	**Solubility**	Miscible with water.
Flash Point	>200F (TCC)	**Partition Coefficient**	Not available.
Evaporation Rate	Not available.	**Auto Ignition Temp**	Not available.
Flammability	Not flammable.	**Decomposition Temp**	Not available.
VOC (g/L)	< 50 g/ml	**Viscosity**	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity
- No dangerous reaction known under conditions of normal use.

Chemical Stability
- Stable under normal temperatures and pressures.

Possibility of Haz Rxns
- Will not occur.

Conditions to Avoid
- No unusual conditions.

Incompatible Materials
- Do not mix with strong acids or bases. Do not mix with any other chemical unless instructed to do so by the manufacturer.

Hazardous Decomposition
- In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, soot, and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity	No specific information available for mixture.
Skin Corrosion/Irritation	No specific information available for mixture.
Serious Eye Damage/Irritation	No specific information available for mixture.
Respiratory or Skin Sensitization	No specific information available for mixture.
Germ Cell Mutagenicity	No specific information available for mixture.
Carcinogenicity	No specific information available for mixture.

Reproductive Toxicity	No specific information available for mixture.
STOT Single Exposure	No specific information available for mixture.
STOT Repeated Exposure	No specific information available for mixture.
Aspiration Hazard	No specific information available for mixture.

Target Organs	Skin.
Routes of Entry Exposure	Ingestion, inhalation, skin, eye.Ingestion, inhalation, skin, eye.

POTENTIAL HEALTH EFFECTS

INHALATION ACUTE	• May irritate nose, throat and lungs with continuous, non-interrupted use.
INHALATION CHRONIC	• Vapors or mists may aggravate pre-existing lung conditions.
SKIN ACUTE	• May cause irritation. Prolonged exposure may cause redness or pain. and should be avoided.
SKIN CHRONIC	• Sensitivity of the skin may occur with repeated, prolonged exposure.
EYE ACUTE	• May cause redness, tearing, swelling and pain. Prolonged exposure to eyes should be avoided.
EYE CHRONIC	• No data available.
INGESTION ACUTE	• May irritate gastrointestinal tract. Ingestion of large amounts may cause nausea, vomiting and diarrhea.
INGESTION CHRONIC	• No data available.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY	• Not enough information on the mixture is available.
PERSISTENCE & BIODEGRADABILITY	• Not enough information on the mixture is available. The components of the mixture are determined as either readily biodegradable or inherently biodegradable. It is
BIOACCUMULATIVE POTENTIAL	• Not enough infomation on the mixture is available.
MOBILITY IN SOIL	• Not enough infomation on the mixture is available.
OTHER ADVERSE EFFECTS	• Not enough infomation on the mixture is available.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS	• Small amounts of product may be disposed into a sanitary sewer, where allowed by local authorities. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: TRANSPORT INFORMATION

TRANSPORT	• Not regulated by D.O.T or by I.A.T.A.
ENVIRONMENTAL HAZARDS	• None known.
SPECIAL PRECAUTIONS	• None known.

SECTION 15: REGULATORY INFORMATION

SARA TITLE III INFORMATION

Chemical Identity	CAS / CAT CODE	PERCENT WT

None Reportable

OTHER REGULATORY INFORMATION

- **TSCA (Toxic Substance Control Act):** All ingredients of this product are listed on the TSCA inventory.
- **CARCINOGENICITY:** Not listed by IARC, NTP, or OSHA.
- **CALIFORNIA PROPOSITION 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins which would be subject to the proposition.

SECTION 16: OTHER INFORMATION

Last Revision Date 12/13/2022 **Date Prepared** 12/13/2022

KEY TO ABBREVIATIONS

N/E = Not Established. CAS = Chemical Abstract Service. ppm = Parts Per Million
g/L = Grams per Liter mg/m3 = milligrams per cubic meter

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