

Issue Date: 26-Aug-2015

Revision Date: 21-Apr-2022

Version 1

1. IDENTIFICATION

Product Identifier

Product Name CI-25 Corrosion Inhibitor

Other means of identification

SDS # AGC-261

Product Code CI-25

Other Information Package Type: Twin Neck Poly Bottle, Gallons, 5 Gallon Pails

Recommended use of the chemical and restrictions on use

Recommended Use Corrosion Inhibitor Additive.

Details of the supplier of the safety data sheet

Manufacturer Address

AMERICAN GAS & CHEMICAL COMPANY, LTD
 220 Pegasus Avenue
 Northvale NJ 07647

Emergency Telephone Number

Company Phone Number Phone: 201-767-7300 Fax: 201-767-1741
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Amber Liquid

Physical State Liquid

Odor Odorless

Classification

Skin Irritant	Category 2
Eye Irritant	Category 2A

Signal Word: Warning



Hazard Statements

Causes skin irritation
 Causes serious eye irritation

Precautionary Statements – Prevention

Wear protective gloves/protective clothing/eye protection/face protection.
 Wash thoroughly after handling.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 Get medical advice/attention.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.

Hazards not otherwise classified

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Isononanoic acid, triethanolamine salt	67801-51-8	25-50%
Benzotriazole	95-14-7	2.5-10%

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash with soap and water immediately after contact.
Inhalation	Seek medical attention in case of complaints. In case of unconsciousness place patient stably on side position for transportation.
Ingestion	Induce vomiting, but only if victim is fully conscious. Call a physician.

Most important symptoms and effects

Symptoms	Direct contact with eyes may cause temporary irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Non-flammable solution. Nitrogen Oxides (NOx)

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. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Absorb with liquid-binding materials.
Methods for Clean-Up	Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Avoid prolonged or repeated contact with skin. Do not get in eyes. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep product from freezing.
Incompatible Materials	None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	No exposure limits noted for ingredient(s)
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Appropriate engineering controls

Engineering Controls	Apply technical measures to comply with the occupational exposure limits. Keep away from foodstuffs. Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses.
Skin and Body Protection	Non-absorbent gloves.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid	Odor	Odorless
Appearance	Amber Liquid	Odor Threshold	Not determined
Color	Amber	Remarks • Method	
Property	Values		
pH	8.0-9.0		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100°C / 212°F		
Flash Point	100°C / 212°F		
Evaporation Rate	<1	(Water = 1)	
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	0.3hPa	@ 20°C (68°F)	
Vapor Density	>1	(Air=1)	
Specific Gravity	1.01-1.04		
Water Solubility	Soluble in water		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Ignition Temperature	305°C (581°F)		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Reacts with acids.
<u>Chemical Stability</u>	Stable under recommended storage conditions.
<u>Possibility of Hazardous Reactions</u>	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
<u>Conditions to Avoid</u>	Keep out of reach of children.
<u>Incompatible Materials</u>	Acids.
<u>Hazardous Decomposition Products</u>	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	
Eye Contact	Avoid contact with eyes. May be irritating.

Skin Contact	Avoid contact with skin. May produce skin irritation.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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Numerical measures of toxicity	Not determined
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12. ECOLOGICAL INFORMATION

LC50/96h	219.3mg/L (Scophthalmus maximus – Turbot) (96 hours)
LC50/24h (static)	492.8mg/L (Acartia tonsa) (48 hours) 439.3mg/L (Scophthalmus maximus – Turbot) (24 hours)
LC50/48h (static)	319.3mg/L (Acartia tonsa) (48 hours) 258.5mg/L (Scophthalmus maximus – Turbot) (48 hours)
EC50 (static)	302.3mg/L (Skeletonema costatum) (24 hours)
EC50/48h (static)	311.4mg/L (Skeletonema costatum) (48 hours)
EC10	96.4mg/L (Skeletonema costatum)
EC50/72h (static)	254.9mg/L (Skeletonema costatum) (72 hours)
LC50/72H	219.3mg/L (Scophthalmus maximus – Turbot) (72 hours)
LOEC	355.6mg/L (Acartia tonsa) 316.2mg/L (Scophthalmus maximus – Turbot) 177.8 mg/L (Skeletonema costatum)
NOEC	200.0mg/L (Acartia tonsa) 177.8 mg/L (Scophthalmus maximus – Turbot) 100.0mg/L (Skeletonema costatum)

Ecotoxicity	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
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Persistence/Degradability	No further relevant information available.
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Bioaccumulation	Not determined.
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Mobility	Not determined
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Other Adverse Effects	Not determined
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13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
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Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.
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14. TRANSPORT INFORMATION

DOT	Not regulated
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IATA	Not regulated
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IMDG	Not regulated
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15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

SARA 313 None of the ingredients are listed.

SARA 355 None of the ingredients are listed.

TSCA All ingredients are listed.

Prop 65 None of the ingredients are listed.

US State Regulations

U.S. State Right-to-Know Regulations Not determined

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	1	1	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	1	B

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End of Safety Data Sheet