SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking

1.1. Product Identifier

Product name : Corrosion Inhibitor

1.2. Details of the Distributor of the Safety Data Sheet

Company Name : GreenSol Limited
Address : #39-41 Marryat Street, San Fernando, Trinidad, West Indies
Telephone : +1(868) 225-4858
Mobile : +1(868) 720-2517
Email : sdeokiesingh@greensolltd.com

1.3. Emergency Telephone Number

Emergency Number : +1(868) 720-2517 (GREENSOL)
: +1(800) 424-9300 (CHEMTREC)

SECTION 2: Hazard Identification

2.1. Label Elements

Health Hazard : Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes severe eye irritation which may damage tissue. May cause allergic skin reaction. Potential carcinogen. May cause damage to internal organs.
Environmental hazard : Not an environmental hazard.
Physical hazard : Not a physical hazard.

SECTION 3: Composition / Information on Ingredients

3.1. Substances

Name	CAS#	Percent % (w/w)	GHS Classification-US
Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivatives, residues	68909-77-3	99.5	H315, H318, H317
Water	7732-18-5	0.1 - 5	-

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

Eye Contact : In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Seek immediate medical

		attention/advice. Suitable emergency eye wash facility should be immediately available.
Skin Contact	:	In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.
Inhalation	:	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
Ingestion	:	Following ingestion, onset of symptoms may be delayed by 12 to 24 hours. Admission to hospital should be the first priority even if symptoms are absent. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/effects	:	Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes severe eye irritation which may damage tissue. May cause allergic skin reaction. Potential carcinogen. May cause damage to internal organs.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician	:	Gastric lavage or emesis should be performed as soon as possible to minimize absorption, and is recommended within 4 hours of ingestion. Ethanol may be given intravenously to prevent build-up of toxic effects of methanol metabolites. Visual disturbances and metabolic acidosis may occur and dialysis, preferably hemodialysis may be employed to treat these complications.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	:	Water fog, carbon dioxide, foam, dry chemical.
Extinguishing media which must not be used for safety reasons	:	Do NOT spray pool fires directly with water. A solid stream of water directed into hot burning liquid can cause splattering.

5.2. Specific hazards arising from the substance or mixture. Special exposure hazards in a fire.

Decomposition in fire may produce harmful.

5.3. Special protective equipment and precautions for fire-fighters Special protective equipment for firefighters

Full protective clothing and approved self-contained breathing apparatus required for fire-fighting person.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Use appropriate protective equipment. Do not breathe dust / fume / gas / mist / vapors / spray. Remove sources of ignition. Take precautionary measures agains6t static discharges. All equipment used when handling the product must be grounded. Avoid contact with skin, eyes and clothing.

6.2. Environmental Precautions

Prevent from entering sewers, waterways, or low areas. Consult local authorities.

6.3. Methods and Materials for Containment and Cleaning up

Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Remove ignition sources and work with non-sparking tools.

SECTION 7: Handling & Storage

7.1. Precautions for safe handling

Handling Precautions	:	Do not breathe dust / fume / gas / mist / vapors / spray. Ensure adequate ventilation. Use appropriate protective equipment. Remove sources of ignition. Ground and bond containers when transferring from one container to another. Avoid contact with eyes, skin, or clothing.
Hygiene Measures	:	Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for Safe Storage, including any Incompatibilities Storage Information

Store in a cool well-ventilated area. Keep from heat, sparks, and open flames.

SECTION 8: Exposure Controls / Personal Protection

8.1. Appropriate Engineering Controls

Engineering Controls	:	Ensure adequate ventilation, especially in confined areas.

8.2. Individual Protection Measures, such as Personal Protective Equipment

Personal Protective Equipment	:	If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.

Respiratory Protection	:	If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, AS/NZS 1715:2009, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional. Positive pressure self-contained breathing apparatus.
Hand Protection	:	Chemical-resistant protective gloves (EN 374) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Neoprene gloves. Nitrile gloves. Butyl rubber gloves. This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g., temperature). If signs of wear and tear are noticed then the gloves should be replaced. Manufacturer's directions for use should be observed because of great diversity of types. Impervious gloves.
Skin Protection	:	Rubber apron. Wear impervious protective clothing, including boots, gloves, lab coat, apron, rain jacket, pants or coverall, as appropriate, to prevent skin contact.
Eye Protection	:	Chemical goggles; also wear a face shield if splashing hazard exists.
Other Precautions	:	Eyewash fountains and safety showers must be easily accessible.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State	:	Brown Liquid
Flash Point (PMCC)	:	68°C / 155°F
Freezing Point	:	-5 °C / 24°F
Boiling Point	:	100 °C /212°F
Specific Gravity @ 20°C	:	1.01
pH	:	9 - 11
Solubility	:	Soluble in water

SECTION 10: Stability and Reactivity

Reactivity	:	Not expected to be reactive.
Chemical Stability	:	Stable
Possibility of Hazardous Reactions	:	Will Not Occur

Conditions to Avoid	:	Keep away from heat, sparks and flame.
Incompatible Materials	:	Strong oxidizers. Strong acids. Strong alkalis.
Hazardous Decomposition Product	:	Ammonia. Oxides of nitrogen. Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological Information

11.1. Acute Toxicity

Inhalation	:	May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Harmful if inhaled.
Ingestion	:	Ingestion of this product may cause blindness due to the presence of methanol. Harmful if swallowed.
Skin contact	:	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Eye contact	:	Causes serious eye damage.

11.2. Chronic Toxicity

Carcinogenicity	:	Contains known or suspected carcinogens. Contains nitrilotriacetic acid or its salts, which is NTP Classification 2 (Reasonably Anticipated to be a Human Carcinogen) and IARC Classification 2B (a Possible Human Carcinogen)
Mutagenicity	:	No Data
Reprotoxicity	:	No Data

SECTION 12: Ecological Information

Degradability	:	Not readily biodegradable
Bio-accumulation	:	Does not bioaccumulate
Aquatic Toxicity	:	No Data Available

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Waste Treatment Methods	:	Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: Transportation Information

China Regulations:
This product is listed on the Chinese IECSC.
International Regulations:

U.S. Federal Regulations: TSCA Inventory Status: All components are included or are exempted from listing on the US Toxic Substances Control Act inventory. European Union: All components are included or are exempted from listing on the European inventory of Existing Commercial Chemical Substances or the European List of Notified Chemical Substances.

SECTION 15: Regulatory Information

Hazard Pictograms :

GHS07 GHS05

UN No. : 3267

UN Class : 8

Designated Name : Corrosion Inhibitor

Hazard Statements :
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H351 - Suspected of causing cancer
H370 - Causes damage to organs

Precautionary Statements : P233 - Keep container tightly closed

Prevention
P240 - Ground and bond container and receiving equipment.
P241 – Use explosion-proof electrical / ventilating / lighting / equipment
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection / face protection

Response :
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 - Rinse mouth
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P362 + P364 - Take off contaminated clothing and wash before reuse
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

		P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor / physician P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P370 + P378 - In case of fire: Use CO2, dry chemical, or foam
Storage	:	P405 - Store locked up P403 + P235 - Store in a well-ventilated place. Keep cool
Disposal	:	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

SECTION 16: Other Information

Information Source:

Material Safety Data Sheet, Misc. manufacturers. Product information provided by the commercial vendor(s).

Notice to Reader:

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.

Version	Date of Change	Change Description	Responsible Person
1	20-03-2025	Initial issue of SDS	Laboratory Coordinator