

MATERIAL SAFETY DATA SHEET

CI-320ES

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: CI-320ES
Synonyms: Corrosion Inhibitor
Chemical Family: Water Treating Compound
CAS Number: Blend



Company Identification

Reef Services, LLC
7906 W. Hwy 80
Midland, TX 79706 USA
1-432-560-5600 (For product information)
1-800-535-5053 (For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
WATER	Confidential	7732-18-5

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains no known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Causes skin and eye irritation. Harmful if inhaled.

HMIS Rating:

Health - 1
Flammability - 0
Reactivity - 0
Personal Protection Index - B

NFPA Rating:

Health - 1
Flammability - 0
Reactivity - 0

POTENTIAL HEALTH EFFECTS

EYE:

Causes eye irritation.

SKIN:

Can cause moderate skin irritation.

INHALATION:

Causes respiratory tract irritation.

INGESTION:

May be harmful if swallowed or inhaled.

SIGNS AND SYMPTOMS OF EXPOSURE:

Skin irritation develops slowly after contact. Eye irritation develops immediately upon contact. Signs of Inhalation Overexposure: Irritation of Respiratory Tract, Nervous system Depression, Headaches, Dizziness, Confusion.

REPRODUCTIVE HAZARDS:

None Known.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

TARGET ORGAN:

Eyes, Skin, and Respiratory Tract.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

There is no evidence that this product aggravates an existing medical condition.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash skin with soap and water.

INHALATION FIRST AID:

Remove from area of exposure. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention.

INGESTION FIRST AID:

Do not induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: > 93.3 C (> 199.9 F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE FIGHTING INSTRUCTIONS:

Avoid breathing smoke, fumes, and decomposition products.

COMBUSTION PRODUCTS:

From Fire: Smoke, Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Oxides of Boron, Oxides of Phosphorous.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid contact with eyes. Avoid prolonged contact with skin or eyes.

HANDLING (PHYSICAL ASPECTS):

Keep out of reach of children.

STORAGE PRECAUTIONS:

Store away from oxidizers or materials bearing a yellow 'DOT' label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

No special ventilation requirements.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, chemical goggles are recommended.

SKIN PROTECTION REQUIREMENTS:

Chemical Type gloves suitable for alcohol solvents.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Clear, Dark Solution
ODOR:	Slight Alcohol
BOILING POINT:	ND F
VAPOR PRESSURE:	ND mm Hg
VAPOR DENSITY:	ND (Air = 1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.050 (Water = 1)
BULK DENSITY:	ND
MELTING/FREEZING POINT:	ND F
PH:	9.41
% VOLATILES:	ND %

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Decomposition may produce Smoke, Carbon Dioxide, Carbon Monoxide, and Oxides of Nitrogen.

CONDITIONS TO AVOID:

None Known.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL:	CI-320ES
D.O.T. SHIPPING NAME:	Chemicals,nos,PGIII
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	Non-Hazardous
UN NUMBER:	N/A
D.O.T. LABEL:	N/A
D.O.T. PLACARD:	N/A

BULK CLASS: N/A
PACKAGE CLASS: N/A

15. REGULATORY INFORMATION

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

16. OTHER INFORMATION

REASON FOR ISSUE: New
PREPARED BY: Tom L. Roland
APPROVED BY: Tom L. Roland
TITLE: Director of Safety & Environmental
APPROVAL DATE: January 27, 2007
SUPERCEDES DATE: August 6, 2004
RTN NUMBER: 0000050 (Official Copy)

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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END OF MSDS
