

MATERIAL SAFETY DATA SHEET

SIG-746

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: SIG-746
Synonyms: Green Scale Inhibitor
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

100.0% SIG-746

CONTAINING:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
L-ASPARTIC ACID, HOMOPOLYMER, SODIUM SALT	Confidential	34345-47-6

NON-HAZARDOUS COMPONENTS

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

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute hazards.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

May cause nausea, vomiting and diarrhea if swallowed.

HMIS Rating:

Health - 1
Flammability - 0

Reactivity - 0
Personal Protection Index - B

POTENTIAL HEALTH EFFECTS

EYE:

Not known to produce irritation.

SKIN:

Not known to produce irritation.

INHALATION:

Not a likely route of exposure.

INGESTION:

Not known to be harmful. May cause nausea, vomiting and diarrhea if ingested.

CHRONIC EFFECTS:

None Known.

REPRODUCTIVE HAZARDS:

None Known.

CARCINOGENICITY INFORMATION:

Not listed by NTP, IARC, or OSHA as a carcinogen. No known cancer hazards.

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 affected area immediately with large amounts of soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

INHALATION FIRST AID:

Remove to fresh air. If breathing is difficult, give oxygen. Contact a physician.

INGESTION FIRST AID:

If swallowed, do NOT induce vomiting. Contact a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

FLAMMABLE PROPERTIES:

Not Combustible.

EXTINGUISHING MEDIA:

Water spray or any Class A extinguishing agent.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:

No information available.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Keep upwind. Avoid contact. Use personal protective equipment. Dike to prevent spread of spill. Absorb with sand or inert material. Sweep or scoop out and remove. Dispose of material in accordance with all federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Keep upwind, Avoid contact. Use personal protective equipment. Chemical goggles, butyl rubber or PVC gloves.

HANDLING (PHYSICAL ASPECTS):

Secure container after each use.

STORAGE PRECAUTIONS:

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses. When splashing of the material may occur, chemical goggles and a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Butyl rubber or PVC gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

Not required under normal use and conditions.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:

Liquid

COLOR:	Amber
ODOR:	ND
BOILING POINT:	ND F
VAPOR PRESSURE:	ND mm Hg
VAPOR DENSITY:	ND (Air = 1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.070 (Water = 1)
BULK DENSITY:	8.924 pounds per gallon
MELTING/FREEZING POINT:	14 to -4 F
PH:	7.5 - 8.5
% VOLATILES:	ND %

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with acids and oxidizers.

11. TOXICOLOGICAL INFORMATION

L-Aspartic Acid, Homopolymer, Sodium Salt

Test Code: LD50 Dermal

Species: Rabbit

Results: Non-Irritant

Test Code: LD50 Oral

Species: Rat

Results: > 5000 mg/kg (not-toxic, no mortality)

Test Code: LC50 Inhalation

Description: (nominal concentration exposed)

Species: Rat

Results: > 62.5 mg/l (4 hour, no mortality)

12. ECOLOGICAL INFORMATION

L-Aspartic Acid, Homopolymer, Sodium Salt

Test Code: LC50

Description: 48 hour

Species: Water Fleas (Daphnia Pulex)

Results: 1792 mg/l

Test Code: LC50

Description: 48 hour

Species: Fathead Minnow

Results: 2117 mg/l

Test Code: NOEC

Description: 96 hour

Species: Algae (Selinastrum Capricornutum)

Results: 62 mg/l, LOEC: 125 mg/l

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Responsibility for proper waste disposal rests with the generator of the waste. Dispose of any waste material in accordance with applicable regulations. Note that these regulations may also apply to empty containers, liner, and rinsate. Processing, use, dilution, or contamination of this product may cause its physical and chemical properties to change.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL:	SIG-746
D.O.T. SHIPPING NAME:	Chemicals,nos,PGIII
TECHNICAL SHIPPING NAME:	Not Regulated
D.O.T. HAZARD CLASS:	Not Regulated
UN NUMBER:	N/A
D.O.T. LABEL:	N/A
D.O.T. PLACARD:	N/A
BULK CLASS:	N/A
PACKAGE CLASS:	PG III

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). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

16. OTHER INFORMATION

REASON FOR ISSUE:	New
PREPARED BY:	Tom L. Roland
APPROVED BY:	Tom L. Roland
TITLE:	Director of Safety & Environmental
APPROVAL DATE:	August 18, 2010
SUPERCEDES DATE:	New
RTN NUMBER:	0000902 (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
