

Issue Date: 18-Jan.-2016

Revision Date: 15-Nov.-2017

Version 2

1. IDENTIFICATION

Product Identifier

Product Name ENVIROGREEN EXTREME HHF

Other means of identification

SDS #

 ITEM # M-02741
 M-02743
 M-02745
 M-02747

Recommended use of the chemical and restrictions on use

Recommended Use Cleaner/Degreaser

Details of the supplier of the safety data sheet

Supplier Address

 Ashburn Chemical Technologies
 7403 Wright Rd
 Houston, TX 77041

Emergency Telephone Number

Company Phone Number

832-399-1000

Emergency Telephone (24 hr)

 INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear,
 Light yellow to yellow

Physical State Liquid

Odor Mild

Classification

Skin corrosion /irritation	Category 1
Serious eye damage/eye irritation	Category 1
STOT (Single Exposure) - Respiratory Irritation	Category 3

Signal Word

DANGER

Hazard Statements

 Causes severe skin burns and eye damage
 May cause respiratory irritation


Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapours/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor/physician.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a POISON center or doctor/physician if you feel unwell.

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Trisodium Phosphate	102-71-6	1-5
Sodium Metasilicates	6834-92-0	1-10
Surfactant Blend	Proprietary	10 - 20

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

- General Advice** If you feel unwell, seek medical advice. Show the label where possible. Show this safety data sheet to the doctor / medical personnel for treatment
- Eye Contact** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- Skin Contact** Wash contact areas with soap and water. Remove contaminated clothing and lauder before reuse. If skin irritation persists, call a physician.
- Inhalation** Remove from further exposure. Use adequate respiratory protection. Seek immediate medical assistance.
- Ingestion** Rinse mouth. Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

- Symptoms** Severe eye damage, skin burns, digestive tract burns. Upper respiratory tract irritation. Mucous membrane irritation
 See SECTION 11 for more information.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician** Treat as a corrosive substance

5. FIRE-FIGHTING MEASURES

Suitable /Unsuitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames

Specific Hazards Arising from the Chemical Thermal decomposition may produce toxic fumes or harmful vapor.

Hazardous Combustion Products None-known

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin or eyes.
Avoid breathing dust/fume/gas/mist/vapors/spray
See SECTION 8 for Personal Protective Equipment

Environmental Precautions Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.
Prevent further leakage or spillage if safe to do so.
See SECTION 12 for Ecological Information.

Methods for Clean-Up Absorb or cover with dry earth, sand or other non-combustible material.
Sweep up absorbed material and shovel into suitable containers for disposal.
Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.
See SECTION 13 for Waste Disposal.

7. HANDLING AND STORAGE

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.
Avoid breathing fumes, vapors, mists, spray.
Wash face, hands, and any exposed skin thoroughly after handling.
See SECTION 2 for Precaution Statements.
See SECTION 8 for Personal Protection.

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place.
Do not store in open or unlabeled containers.
Storage temperature 5-40°C (41-104°F). Store locked up.

Incompatible Materials Acids. Oxidizing agents. Halogenated materials.
Avoid prolonged contact with alkali sensitive materials or alloys.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Trisodium Phosphate 7061-54-9	TWA: Respirable: 5 mg/m ³ Inhalable: 15mg/m ³	-	-

Legend: *ACGIH: American Conference of Governmental Industrial Hygienists* *TLV: Threshold Limit Value*
OSHA: Occupational Safety and Health Administration *PEL: Permissible Exposure Limit*
NIOSH: National Institute for Occupational Safety and Health *STEL: Short Term Exposure Limit*

Engineering Controls Adequate ventilation. Maintain eye wash fountain and quick-drench facilities in work area.

Personal Protective Equipment

Eye/Face Protection	Safety glasses and face shield
Skin and Body Protection	Nitrile rubber gloves / Chemical resistant or water resistant gloves Personal protective clothing must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection
General Hygiene Considerations	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing and lauder before use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild
Appearance	Clear	Odor Threshold	Not determined
Color	Light yellow		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	12.5 – 13.0		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	> 100 °C / 212 °F		
Flash Point	Not flammable		
Evaporation Rate	< 1.0		(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		@68° F(20°C)
Vapor Density	Not determined		(Air=1)
Specific Gravity	1.06 - 1.08		(1=Water)
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content (%)	Not determined		

10. STABILITY AND REACTIVITY

Reactivity	Reacts violently with strong acid substances. May react with oxidizing agents.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible Materials.
Incompatible Materials	See SECTION 7
Hazardous Decomposition Products	Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Skin Contact	Causes severe skin burns. Symptoms: Burning pain and severe corrosive skin damage
Inhalation	Harmful if inhaled.
Ingestion	May be harmful if swallowed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute Effects	Exposure to alkaline solutions may result in irritation to any contact tissue, including possible burns, depending on the concentration, duration, and nature of the exposure
Chronic Effects	Prolonged inhalation may be harmful.

Information on physical, chemical and toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trisodium Phosphate 10101-89-0	7400 mg/kg (Rat)		-
Sodium metasilicate 6834-92-0	1,125-1,1349 mg/kg (Rat)		

Carcinogenicity	No data available
Reproductive Toxicity	No data available
STOT- repeated/single exposure	No data available (for both single and repeated exposure)
Additional Information	No data available.

12. ECOLOGICAL INFORMATION**Ecotoxicity****Component Information:**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Trisodium Phosphate 7061-54-9		440 mg/L 96 Bluegill sunfish LC50 260 mg 96 h Rainbow Trout LC50		100: 48 h water flea mg/L EC50
Sodium metasilicate 6834-92-0		210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50		216: 96 h Daphnia magna mg/L EC50

Persistence/Degradability	No data available.
Bioaccumulation	No data available
Mobility	The substance is expected to remain in the water phase due to high water solubility

Other Adverse Effects Not determined

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

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*
- AICS - Australian Inventory of Chemical Substances*

US Regulations

CERCLA This material does not contain a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 255)

SARA 311/312 Hazardous Chemical Acute Health Hazard

California Proposition 65 This product does not contain any Prop 65 Chemical

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium metasilicate	X		X
Trisodium phosphate	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 3	Flammability 0	Instability 0	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 3	Flammability 0	Physical Hazards 0	Personal Protection Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet