

Issue Date: 06-Apr-2016

Revision Date: 15-Nov.-2017

Version 2

1. IDENTIFICATION

Product Identifier

Product Name ENVIROGREEN MAX

Other means of identification

M- 02751 M-02753
 M-02755 M-02757 M-02759

Recommended use of the chemical Heavy duty cleaner/degreaser

Manufacturer/Supplier Information

Supplier Address Ashburn Chemical Technologies
 7403 Wright Rd
 Houston, TX 77041

Emergency Telephone Number 832-399-1000

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Physical Hazards None

Health Hazards Skin Corrosion Category 1
 Serious Eye damage/Eye Corrosion Category 1
 STOT (Single Exposure) Respiratory Irritation Category 3

Signal Word DANGER

Hazard Statements H314 Causes severe skin burns and eye damage
 H335 May cause respiratory irritation



Precautionary Statements - Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray
 P264 Wash face, hands and any exposed skin thoroughly after handling
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P271 Use only outdoors or in a well-ventilated area

Precautionary Statements – Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 Wash contaminated clothing before reuse. Immediately call a poison center or doctor/physician.
 P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 P338 Continue rinsing.
 P310 Immediately call a poison center or doctor/physician
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 Call a POISON center or doctor/physician if you feel unwell.

Precautionary Statements – Storage P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up

Precautionary Statements - Disposal

P501 Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Trisodium Phosphate	10101-89-0	1-5
Sodium Metasilicates	6834-92-0	1-5
Monoethanolamine	141-43-5	1-5
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 launder 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	May cause severe eye damage, skin burns, digestive tract burns. Upper respiratory tract irritation. Mucous membrane irritation See SECTION 11 for more information.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat as a corrosive substance
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5. FIRE-FIGHTING MEASURES

Suitable /Unsuitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) 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	(US) ACGIH TLV	(US) OSHA PEL	(US) NIOSH REL
Ethanolamine 141-43-5	TWA: 3 ppm	TWA: 3 ppm ; 6 mg/m ³ Table Z-1 Limits for Air Contaminants	TWA: 3 ppm (8 mg/m ³) STEL: 6 ppm (15 mg/m ³)

Legend: **ACGIH:** American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
NIOSH: National Institute for Occupational Safety and Health

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit

<u>Engineering Controls</u>	Adequate ventilation. Maintain eye wash fountain and quick-drench facilities in work area.
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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 launder 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		
Property	Values	Remarks • Method	
pH	13.0 – 13.5		
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)	Corr 4 hr (Rabbit) OECD Test Guideline 404	

Carcinogenicity	No data available
Reproductive Toxicity	No data available
STOT- single exposure	May cause respiratory Irritation
Additional Information	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Acute Hazard to aquatic environment
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Component Information

Chemical Name	Algae/aquatic plants	Fish LC50	Crustacea
Sodium Phosphate tribasic Dodecahydrate 10101-89-0		Leuciscus idus (Golden orfe) 2,400 mg/l - 48 h	
Sodium metasilicate 6834-92-0		Danio Rerio (Zebra fish) 210 mg/L 96 hr Semi-static test (ISO 7346/1)	Daphnia magna 216 mg/L 96 h 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

Chemical Name	Partition Coefficient
Monoethanolamine 141-43-5	-1.91

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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	INSQ	KECL	AICS
Sodium Metasilicates 6834-92-0	X	X		X		X	X	X	X
Tri-sodium phosphate 10101-89-0	X						X		X

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
INSQ - Mexico National Inventory of 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 313 This product does not contain any chemical(s) regulated under the Section 313 Title III of the Superfund Amendments and Reauthorization Act

SARA 311/312 Hazardous Chemical Acute Health Hazard, Chronic 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	Flammability	Instability	Special Hazards
	3	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	3	0	0	Not determined

Issue Date: 06-Apr-2016
Revision Date: 15-Nov.-2017 revised Section 2
Last Review: 10-Apr-2018

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