

# Safety Data Sheet

Issue Date: 17-APR-2019

Revision Date:

Version: 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** ENVIROGREEN MKC #4

### Other means of identification

#### **SDS #**

Item # M-02685

M-02687

### 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** Light yellow liquid

**Physical State** Liquid

**Odor** Mild

### Classification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 2B

### Signal Word

**DANGER**

### Hazard Statements

Causes severe skin burns and eye damage.



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

### Precautionary Statements - Response

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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

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 SWALLOWED: rinse mouth. Do NOT induce vomiting

#### **Precautionary Statements - Storage**

Store locked up

#### **Precautionary Statements – Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Other Hazards**

None known

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Potassium Hydroxide	1310-58-3	1-5
Ethylene Glycol Monobutyl Ether	111-76-2	1-20
Sodium Metasilicate	6834-92-0	1-5
Tetrapotassium pyrophosphate	7320-34-5	1-5
Tetrasodium EDTA	64-02-8	1-5

\*\*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**

<b>General Advice</b>	Immediately remove any clothing soiled by the product.
<b>Eye Contact</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>Skin Contact</b>	Immediately wash with water and soap and rinse thoroughly.
<b>Inhalation</b>	In case of unconsciousness place patient stably in side position for transportation.
<b>Ingestion</b>	Drink copious amounts of water and provide fresh air. Immediately call a doctor
<b>Symptoms</b>	Severe eye damage, skin burns, digestive tract burns. Upper respiratory tract irritation. Mucous membrane irritation See SECTION 11 for more information
<b>Notes to Physician</b>	Treat as a corrosive substance.

### **5. FIRE-FIGHTING MEASURES**

<b>Suitable / Unsuitable Extinguishing Media</b>	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
<b>Specific Hazards Arising from the Chemical</b>	No specific fire or explosion hazard
<b>Hazardous Combustion Products</b>	Oxides of carbon.
<b>Protective equipment and Precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

### **6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Wear protective equipment. Keep unprotected persons away.
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<b>Environmental Precautions</b>	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
<b>Methods for Clean-Up</b>	Sweep up absorbed material and shovel into suitable containers for disposal. If the product contaminates rivers and lakes or drains inform respective authorities. 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

<b>Advice on Safe Handling</b>	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 8 for Personal Protection. See SECTION 2 for Precaution Statements.
<b>Storage Conditions</b>	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).
<b>Incompatible Materials</b>	Strong acids. Oxidizing agents. Avoid prolonged contact with alkali sensitive materials or alloys.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** No exposure limits noted for ingredient(s)

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

**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

**Appropriate engineering controls** Maintain eye wash fountain and quick-drench facilities in work area

### Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Tightly sealed goggles are recommended.
<b>Skin and Body Protection</b>	Wear chemical resistant, protective gloves. Personal protective work clothing
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
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<b>Appearance</b>	Clear	<b>Odor</b>	Mild
<b>Color</b>	Light yellow	<b>Odor Threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	12.8 – 13.7	
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 Density	> 1.0	(Air=1)
Specific Gravity	1.03 - 1.04	(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	
Viscosity	Not determined	
Explosive Properties	Not explosive	
Oxidizing Properties	Not oxidizing	
VOC Content (%)	Not determined	

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye Contact</b>	Strong caustic effect. Strong irritant with the danger of severe eye injury.
<b>Skin Contact</b>	Strong caustic effect on skin and mucous membranes.
<b>Inhalation</b>	Inhalation of mists may be irritating to the respiratory system.
<b>Ingestion</b>	May cause gastrointestinal irritation or diarrhea.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrapotassium pyrophosphate 7320-34-5	> 4,640 mg/kg ( Rat )	-	-

Ethylene Glycol Monobutyl Ether 111-76-2	70 mg/kg ( Rat )	2270 mg/kg ( Rat ) 220 mg/kg ( Rabbit )	2.21 mg/L ( Rat ) 4 h 450 ppm ( Rat ) 4 h
Sodium metasilicate 6834-92-0	1,125-1,1349 mg/kg (Rat)	-	-
Tetrasodium EDTA 64-02-8	10 g/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects****Symptoms**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Corrosive  
Irritant  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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

No information available

**Reproductive Toxicity**

No information available

**STOT- Repeated/single Exposure**

No information available

**Gem Cell Mutagenicity**

No information available

**Aspiration Hazard**

No information available

**Carcinogenicity**

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Maybe toxic to the aquatic life

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrapotassium pyrophosphate 7320-34-5		> 100 mg/l 96 h Rainbow Trout LC50		> 100 mg/L 96-hr Daphnia magna; LC50
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
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59: 8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined

**Mobility** Not determined

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

**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

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene Glycol Monobutyl Ether	X	X		X		X	X	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*

*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 Federal 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

**SARA 311/312 Hazard Categories** Acute Health Hazard

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313- Threshold Values %
Ethylene Glycol Monobutyl Ether - 111-76-2	111-76-2	1-5	1.0

#### US State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name		New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether	CAS 111-76-2	X	X	X
Sodium metasilicate	CAS 6834-92-0	X		X

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

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**HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

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**Issue Date:**

17-APR-2019

**Revision Date:****Revision Note:**

Creation date for SDS. DEL

**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**