

Issue Date: 12-Apr-2017

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Version 2

## 1. IDENTIFICATION

<b>Product Identifier</b>	<b>ENVIROGREEN CARBX HD</b>
<b>Other means of identification</b> ITEM # M-02863 M-02867	
<b>Recommended use</b>	Heavy duty cleaner/degreaser
<b>Restriction on Use</b>	For industrial use only
<b>Supplier Address</b>	Ashburn Chemical Technologies 7403 Wright Rd Houston, TX 77041
<b>Company Phone Number</b>	832-399-1000
<b>Emergency Telephone (24 hr)</b>	INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Classification** Classified according to OSHA Hazcom 2012 and Canada's Hazardous Products Regulations (WHMIS 2015), amended to conform to the UN-GHS

Acute Toxicity- Oral	Category 4
Acute Toxicity- Inhalation (Dust/Mist)	Category 4
Skin corrosion /irritation	Category 1
Serious eye damage/eye irritation	Category 1

**Signal Word** **DANGER**

**Hazard Statements**  
 H302 Harmful if swallowed  
 H332 Harmful if inhaled.  
 H314 Causes severe skin burns and eye damage  
 H318 Causes serious eye damage



### Precautionary Statements – Prevention

P260 Do not breathe dust/fume/gas/mist/vapors/spray  
 P270 Do not eat, drink, or smoke when using this product  
 P271 Use only outdoors or in a well-ventilated area  
 P264 Wash face, hands and any exposed skin thoroughly after handling  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response

P310 Immediately call a poison center or doctor/physician  
 (for eye contact, inhalation, ingestion, and if you feel unwell)

P301+P330+P331  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P304+P340  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P303+P361+P353+P363  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse  
P305+P351+P338  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary Statements - Storage**

P405 Store locked up

**Precautionary Statements - Disposal**

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

**Other Hazards**

Harmful to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Trisodium phosphate	10101-89-0	1-5
Sodium Meta Silicates	6834-92-0	1-10
Potassium Hydroxide	1310-58-3	7-13
Surfactant Blend	Proprietary	1-10

\*\*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**

Severe eye damage. May cause skin burn and digestive tract burns.  
Upper respiratory tract 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

<b>Suitable /Unsuitable Extinguishing Media</b>	Use water fog, foam, dry chemical or carbon dioxide (CO <sub>2</sub> ) to extinguish flames Do not use high volume water jet.
<b>Specific Hazards Arising from the Chemical</b>	Thermal decomposition may produce toxic fumes or harmful vapor.
<b>Hazardous Combustion Products</b>	None-known
<b>Protective equipment / 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>	Avoid contact with skin or eyes. Avoid breathing dust/fume/gas/mist/vapors/spray See SECTION 8 for Personal Protective Equipment
<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>	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

<b>Advice on Safe Handling</b>	Do not handle until all safety precautions have been read and understood. 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. Contaminated work clothing should not be allowed out of the workplace. 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). Store locked up.
<b>Incompatible Materials</b>	Acids. Oxidizing agents. Halogenated materials. Avoid prolonged contact with alkali sensitive materials or alloys.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup> Table Z-1 air Contaminant	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
Trisodium Phosphate 7061-54-9	TWA: Respirable: 5 mg/m <sup>3</sup> . Inhalable: 15mg/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

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

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

<b>Eye/Face Protection</b>	Wear safety glasses and face shield
<b>Skin and Body Protection</b>	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.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection
<b>General Hygiene Considerations</b>	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 reuse. See SECTION 4 for First-Aid Measure

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Light yellow		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	14.0-14.5		
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	1.20-1.30	(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

<b>Reactivity</b>	Reacts violently with strong acid substances. May react with oxidizing agents and some metals.
<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.

**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

<b>Eye Contact</b>	Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>Skin Contact</b>	May cause skin corrosion. Symptoms may include pain, skin burn.
<b>Inhalation</b>	Harmful if inhaled. May cause irritation to upper respiratory system.
<b>Ingestion</b>	Harmful if swallowed. May cause digestive tract burns.

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

<b>Acute Effects</b>	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
<b>Chronic Effects</b>	Prolonged inhalation may be harmful.

### Information on physical, chemical and toxicological effects

#### **Component Information**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Trisodium Phosphate 10101-89-0	> 2000 mg/kg (Rat) OECD 420	> 2000 mg/kg (Rat) OECD 402	> 0.83 mg/L (Rat) OECD 403
Sodium metasilicate 6834-92-0	1,125-1,1349 mg/kg (Rat)	Corr 4 hr (Rabbit) OECD Test Guideline 404	
Potassium Hydroxide 1310-58-3	333 mg/kg (Rat)		-

<b>Sensitization (skin/Respiratory)</b>	No data available
<b>Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive Toxicity</b>	No data available
<b>Aspiration Hazard</b>	No data available.
<b>STOT- single exposure</b>	May cause respiratory tract irritation
<b>STOT- repeated exposure</b>	No data available

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Component Information**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Phosphate tribasic Dodecahydrate 10101-89-0		LC50 - Leuciscus idus (Golden orfe) - 2,400 mg/l - 48 h	
Sodium metasilicate 6834-92-0		Danio Rerio (Zebra fish) 210 mg/L 96h Semi-static test (ISO 7346/1  Brachydanio rerio LC50 semi-static 210 mg/L 96 h Brachydanio rerio LC50 210 mg/L 96 h	Daphnia magna 216 mg/L 96 h EC50
Potassium Hydroxide 1310-58-3		Oncorhynchus mykiss 45.4mg/L 96 h LC50 static	

**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

Component	Log Pow
Potassium Hydroxide CAS 1310-58-3	0.83

**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****UN/ID No**

UN1760

**Proper Shipping Name**

Corrosive liquid, n.o.s.

**Class/ Group**

8, II

**IATA****UN/ID No**

UN1760

**Proper Shipping Name**

Corrosive liquid, n.o.s.

**Class/ Group**

8, II

**IMDG****UN/ID No**

UN1760

**Proper Shipping Name**

Corrosive liquid, n.o.s.

**Class/ Group**

8, II

### 15. REGULATORY INFORMATION

**International Inventories**

The component(s) of this product either on the inventory or in compliance with the inventory from the following countries:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Potassium Hydroxide	X	X	-	X	X	-	X	X	X	X

Tri-sodium phosphate 10101-89-0	X							X		X
Sodium Metasilicates 6834-92-0	X	X	-			X	X	X	X	X

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - 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*****EPCRA - Emergency Planning and Community Right-to-Know Act*****CERCLA Reportable Quality**

This material contains 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)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Potassium Hydroxide 1310-58-3	1000 lb		RQ 1000 lb final RQ ; RQ 454 kg final RQ

**SARA 311/312**

Acute Health Hazard

**US State Regulations****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
Trisodium phosphate		X	X
Trisodium phosphate	X	X	X
Potassium Hydroxide	x	x	x

**16. OTHER INFORMATION****NFPA****Health Hazards**

2

**Flammability**

0

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health Hazards**

2

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

Not determined

**Issue Date:**

12-Apr-2017

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01-May-2018

**Revision Note:**

Updated All Sections

**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**