Material Safety Data Sheet

Material Name: EXODOR® Green Hornet™ Degreaser **MSDS ID: WAL-107**

* * * Section 1 - Chemical Product and Company Identification * * *

Chemical Name: Consumer cleaner/degreaser
Product Use: Removal of dirt and grease
Manufacturer Information

WALEX Products Company, Inc.
P.O. Box 3785
Wilmington, NC 28406

Phone: +1 910 371 2242

Emergency # 1-800-424-9300 (CHEMTREC USA)
1-703-527-3887 (CHEMTREC Int'l)

General Comments

CHEMTREC telephone number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

* * * Section 2 - Hazards Identification * * *

Emergency Overview

WARNING.
Product is an emerald green liquid. Concentrate is irritating or corrosive to eyes and skin. Risk of serious damage to eyes. Harmful if swallowed. Inhalation of product may be corrosive to the lungs.

Potential Health Effects: Eyes

This product is irritating to the eyes. This product may cause eye burns. Symptoms include itching, burning, redness and tearing. Risk of serious damage to eyes.

Potential Health Effects: Skin

This product may be severely irritating or corrosive to the skin. May cause redness, irritation or burning with prolonged exposure.

Potential Health Effects: Ingestion

This product may be harmful or fatal if swallowed. This product may produce damage to the gastrointestinal tract if it is swallowed.

Potential Health Effects: Inhalation

Mists of this product are irritating to the respiratory system. Inhalation may lead to lung irritation and/or burning sensation.

HMIS Ratings: Health: 2 **Fire:** 0 **Physical Hazard:** 0 **Pers. Prot.:** Gloves, Goggles
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

* * * Section 3 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
7732-18-5	Water	70-85
64-02-8	Tetrasodium EDTA	10-15
1344-09-8	Sodium silicate	1-2
Not Available	Colorant Mixture	>1
Not Available	Detergent	0-1
34590948	Dipropylene Methyl Glycol Ether	1-3
1310-58-3	Potassium hydroxide	>1

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

First Aid: Skin

Immediately take off all contaminated clothing. Wash affected area with mild soap and water. Wash contaminated clothing before reuse.

First Aid: Ingestion

Do not induce vomiting. Call a physician immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. Do NOT perform mouth-to-mouth resuscitation. Call a physician immediately.

First Aid: Notes to Physician

Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.
Product is expected to be a minor fire hazard.

Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide, hydrogen gas, and/or low molecular weight hydrocarbons.

Extinguishing Media

Use methods for the surrounding fire.

Specific Hazards Arising From the Chemical

Irritating and toxic gases or fumes may be released during a fire.

Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 2 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Stop the flow of material, if this is without risk. Block any potential routes to water systems.

Clean-Up Procedures

Absorb with an inert material and shovel into an appropriate container for disposal. Do not get in eyes, on skin, or on clothing. Do not inhale vapors or mists. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage system or open water courses. Spills may be slippery, use caution.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Wear appropriate protective equipment and clothing during clean-up. Follow all Local, State, Federal and Provincial regulations for disposal.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Keep container closed. Do not allow to contact incompatible materials.

Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place away from incompatible materials. Avoid freezing to prevent bursting of the container. Do not reuse containers.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines

A: General Product Information

Attempts should be made to eliminate all contact with skin and eyes, and to limit inhalation exposure.

B: Component Exposure Limits

Dipropylene Glycol Methyl Ether (34590-94-8)

ACGIH: 150 ppm TWA
OSHA: 600 ppm TWA; 900 mg/m3 TWA
Prevent or reduce skin absorption
NIOSH: 150 ppm TWA; 100 mg/m3 TWA
Potential for dermal absorption

Potassium hydroxide (1310-58-3)

ACGIH: 2 mg/m3 Ceiling
OSHA: 2 mg/m3 Ceiling
NIOSH: 2 mg/m3 Ceiling

Engineering Controls

Use local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves. Use of an impervious apron is recommended.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material. Eyewash fountains and emergency showers are required.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	Emerald green liquid	**Odor:**	Not available
Physical State:	Liquid	**pH:**	11.3 (100% concentrate)
Vapor Pressure:	Not available	**Vapor Density:**	Not available
Boiling Point:	20 - 38°C (68 - 100°F)	**Melting Point:**	Not available
Solubility (H2O):	Complete	**Specific Gravity:**	Approx. 1.0 at 21°C (70°F)
Flash Point:	Not available	**Flash Point Method:**	Not Available
Auto Ignition:	Not Available	**Upper Flammability Limit (UFL):**	Not Available
Lower Flammability Unit (LFL):	Not Available	**Percent Volatile:**	0-1 %

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid contact with incompatible materials.

Incompatibility

Strong oxidizing agents and acids.

Hazardous Decomposition

Upon decomposition, this product emits carbon monoxide, carbon dioxide, hydrogen gas, and/or low molecular weight hydrocarbons.

Possibility of Hazardous Reactions

Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute Dose Effects

A: General Product Information

Corrosive to eyes and skin. Risk of serious damage to eyes. Harmful if swallowed. Inhalation of product may be corrosive to the lungs.

B: Component Analysis - LD50/LC50

Tetrasodium EDTA (64-02-8)

Oral LD50 Rat: 1658 mg/kg

Sodium silicate (1344-09-8)

Oral LD50 Rat: 1153 mg/kg

Dipropropylene Glycol Methyl Ether (34590-94-8)

Oral LD50 Rat: 5130 mg/kg; Dermal LD50 Rat: 9500 mg/kg;

Potassium hydroxide (1310-58-3)

Oral LD50 Rat: 214 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Target Organ Effects

Eyes, Skin, Respiratory Tract, Gastrointestinal Tract.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Tetrasodium EDTA (64-02-8)

Test & Species		Conditions
96 Hr LC50 bluegill sunfish	490 mg/L	static

Potassium hydroxide (1310-58-3)

Test & Species		Conditions
24 Hr LC50 mosquito fish	80.0 mg/L	

Environmental Fate

No additional information available.

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Number & Descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets other applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

* * * Section 14 - Transportation Information * * *

US DOT Information

Shipping Name: Compounds, cleaning liquid (Contains: Sodium Silicate, Potassium hydroxide)
UN/NA #: NA1760 **Hazard Class:** 8 **Packing Group:** III
Required Label(s): Corrosive
Additional Info.: Material transported under a gross weight of 30 kg can be reclassified as "Consumer Commodity, ORM-D".

TDG Information

Shipping Name: Corrosive liquid, n.o.s. (Contains: Sodium Silicate, Potassium hydroxide)
UN/NA #: UN1760 **Hazard Class:** 8 **Packing Group:** III
Required Label(s): Corrosive

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

A: General Product Information

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are exempt from listing (i.e. as polymers) or are listed on the confidential inventory as declared by the supplier.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Potassium hydroxide (1310-58-3)

CERCLA: 1000 lb final RQ; 454 kg final RQ

SARA311/312: Acute Health: Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Potassium hydroxide	1310-58-3	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Tetrasodium EDTA	64-02-8	Yes	DSL	EINECS
Sodium silicate	1344-09-8	Yes	DSL	EINECS
Dipropylene Glycol Methyl Ether	34590-94-8	Yes	DSL	EINECS
Potassium hydroxide	1310-58-3	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; DSL = Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IMO = International Maritime Organization; MAC/MAK = Maximum Concentration Value in the Workplace; mg/Kg = milligrams per Kilogram; mg/L = milligrams per Liter; mg/m3 = milligrams per Cubic Meter; MSHA = Mine Safety and Health Administration; NA = Not Applicable or Not Available; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NLP = No Longer Polymer; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; VLA/VLE = Work Exposure Threshold; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TDG = Transport Dangerous Goods; TSCA = Toxic Substances Control Act; WHMIS = Workplace Hazardous Materials Information System.\