

SECTION 1 - IDENTIFICATION

Product Identifier: EnvirOx™ Green Certified: Industrial Degreaser Hyper-Concentrate (Product #6)

Product Code: 143GS

Recommended use of the chemical and restrictions on use:
Descalant

Manufacturer/Supplier:

EnvirOx LLC P.O. Box 2327, 1938 E. Fairchild St., Danville, IL 61834-2327 USA Tel 1-217-442-8596

Emergency Phone Number:

ChemTel Inc. 800-255-3924, +1-813-248-0585

SECTION 2 –HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:



Eye Damage/Irritation Category 1

Skin Sensitization Category 1

Signal Word – Danger

Hazard statements:

May cause an allergic skin reaction.

Causes serious eye damage.

Precautionary statements:

Avoid breathing mist/spray.

Wear gloves and eye protection.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

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/doctor.

If on skin: Wash with plenty of water.

If skin irritation occurs or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container as waste in accordance to local regulations.

Other hazards (Hazards Not Otherwise Classified): None

Ingredients with Unknown Acute Toxicity: None

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Hazardous components:

Ingredient	CAS Number	Percent
Sodium n-laurylsacrosinate	137-16-6	2.5-10
glycine, N-(hydroxymethyl)-monosodium salt	70161-44-3	<0.5%

Exact percentages and identities are withheld as trade secrets.

SECTION 4 - FIRST-AID MEASURES

Description of necessary measures:

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water. If skin irritation or rash occurs, consult a doctor.

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed: Breathing difficulty, coughing, cramp, nausea, dizziness. Strong irritant with the danger of severe eye injury.

Indication of any immediate medical attention and special treatment needed: If necessary oxygen respiration treatment.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media: None.

Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire..

Special protective equipment and precautions for fire-fighters: Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures: Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Particular danger of slipping on leaked/spilled product.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Clean the affected area carefully; suitable cleaners are: Warm water.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid splashes or spray in enclosed areas. Avoid breathing mist/spray. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities: Avoid storage near extreme heat, ignition sources or open flame. Unsuitable Store away from foodstuffs. Store away from oxidizing agents. Store in cool, dry conditions in well-sealed receptacles.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters:

Component	OSHA PEL	ACGIH TLV	WEEL (USA)
CAS:25322-68-3 polyethylene glycol (particulates)			10 mg/m ³ (as a particulate)

Appropriate engineering controls: No further information available.

Personal protective equipment:

Respiratory protection: Not required under normal conditions of use. For spills, respiratory protection may be advisable. Use suitable respiratory protective device when aerosol or mist is formed. Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands: Rubber gloves, Butyl rubber or Neoprene gloves

Eye protection: Safety glasses. Avoid contact with eyes. Contact lenses should not be worn.

Body protection: Protective work clothing. Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: Liquid Color: Clear	Explosive Limits	Upper: Not Determined
Odor:	Unscented	Vapor pressure:	23 hPa (17 mm Hg)
Odor threshold:	Not determined	Vapor density:	Not determined
pH value at 20 °C (68 °F):	6.5	Relative Density:	Not determined
Melting point/Melting range:	Undetermined	Solubility:	Fully miscible
Boiling point/Boiling range:	212 °F / 100 °C	Partition coefficient (noctanol/water):	Not determined
Flash point:	Not applicable	Auto-ignition temperature:	Not determined
Evaporation rate:	Not determined	Decomposition temperature:	Not determined
Flammability (solid, gaseous):	Not applicable	Viscosity:	Not determined
Explosive Limits	Lower: Not Determined		

Reactivity: No further information available. **Chemical stability:** No decomposition if used and stored according to specifications.

SECTION 10 - STABILITY AND REACTIVITY

Possibility of hazardous reactions: Reacts with strong acids. Reacts with reducing agents. Reacts with strong oxidizing agents.

Conditions to avoid: No further relevant information available. **Incompatible materials:** No further relevant information available.

Hazardous decomposition products: Possible in traces.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Carcinogenic categories:

NTP(National ToxicologyProgram):	None of the ingredients are listed.
IARC (International Agency for Research on Cancer):	None of the ingredients are listed.
OSHA(Occupational Safety and Health Administration):	None of the ingredients are listed.

Inhalation: Slight irritant effect on mucous membranes (based on components).

Ingestion: None under normal use.

Skin contact: May cause allergic skin reaction (Glycine, N-(hydroxymethyl)-,monosodium salt). May irritate skin (based on components).

Eye Contact: Strong irritant with the danger of severe eye injury (based on components).

Symptoms related to the physical, chemical and toxicological characteristics: No further information available.

Delayed and immediate effects and also chronic effects from short and long term exposure: No further information available.

Measures of toxicity: No further information available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: No further relevant information available.

Terrestrial toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Other adverse effects: This statement was deduced from products with a similar structure or composition. Due to available data on eliminability/decomposition and bioaccumulation potential, a prolonged damage of the environment is unlikely. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Contaminated packaging: Disposal must be made according to official regulations.

Recommended cleansing agents: Water only

SECTION 14 - TRANSPORT INFORMATION

UN number (DOT, IMDG, IATA):	Not applicable.
UN proper shipping name (DOT, IMDG, IATA):	Not applicable.
Transport hazard class(es) (DOT, IMDG, IATA):	Not applicable.
Packing group (DOT, IMDG, IATA):	Not applicable.
Environmental hazards: Marine pollutant (Yes/No):	No
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
Special precautions for user:	Not applicable.

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: United States (USA) SARA

Section 355 (extremely hazardous substances):	None of the ingredients are listed.
Section 313 (specific toxic chemical listings):	None of the ingredients are listed.
TSCA (Toxic Substances Control Act):	All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed.
Chemicals known to cause developmental toxicity	None of the ingredients are listed.

Carcinogenic Categories:

EPA(Environmental Protection Agency):	None of the ingredients are listed.
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Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16 - OTHER INFORMATION

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Disclaimer: EnvirOx LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SECTION 16 - ECOLOGICAL INFORMATION

SECTION 16 - TOXICOLOGICAL INFORMATION

SECTION 16 - TRANSPORT INFORMATION

SECTION 16 - REGULATORY INFORMATION