

SECTION 1 - IDENTIFICATION

Product Identifier: EnvirOx™ Carpet Cleaner (Product #9)

Product Code: 136

Recommended use of the chemical and restrictions on use:
Carpet Shampoo

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 Category 1

Signal Word – Danger

Hazard statements:



Causes serious eye damage.

Precautionary statements:

Wash thoroughly after handling.

Wear gloves and eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention.

Dispose of waste and residues in accordance with local authority requirements

Other hazards: None

Ingredients with Unknown Acute Toxicity: None

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Hazardous components:

Ingredient	CAS Number	Percent
Hydrogen Peroxide	7722-84-1	2.5-10
Orange Oil	8008-57-9	<2%

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. In case of irregular breathing or respiratory arrest provide artificial respiration.

After skin contact: Immediately rinse with water. If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses if worn, if possible. 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: Nausea, dizziness, coughing, breathing difficulty.

Indication of any immediate medical attention and special treatment needed: Medical supervision for at least 48 hours. Later observation for pneumonia and pulmonary edema. In cases of irritation to the lungs, initial treatment with corticosteroid inhalants. 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). 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. Wash hands before breaks and at the end of work.

Conditions for safe storage, including any incompatibilities: Store in a cool location. Avoid storage near extreme heat, ignition sources or open flame. Do not store together with alkalis (caustic solutions). Store away from oxidizing agents. Store away from foodstuffs. Store in cool, dry conditions in well-sealed receptacles. Store receptacle in a well ventilated area. Use only receptacles specifically permitted for this substance/product.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters:

Component	OSHA PEL	ACGIH TLV	WEEL (USA)
CAS: 7722-84-1 hydrogen peroxide	1 ppm	1 ppm	

Appropriate engineering controls: No further information available.

Personal protective equipment:

Respiratory protection: Use suitable respiratory protective device when aerosol or mist is formed. Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable.

Protection of hands: Protective gloves, Butyl rubber or Neoprene gloves. Wash hands before breaks and at the end of work.

Eye protection: Safety glasses.

Body protection: Protection may be required for spills.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: Liquid Color: Clear	Vapor pressure:	23 hPa (17 mm Hg)
Odor:	Citrus	Vapor density:	Not determined
Odor threshold:	Not determined	Relative Density:	1.037
pH value at 20 °C (68 °F):	5.5 ± 0.5	Solubility:	Fully miscible
Melting point/Melting range:	Undetermined	Partition coefficient (noctanol/water):	Not determined
Boiling point/Boiling range:	212 °F / 100 °C	Auto-ignition temperature:	Not self-igniting
Flash point:	Not applicable	Decomposition temperature:	Not determined
Evaporation rate:	Not determined	Viscosity:	Not determined
Flammability (solid, gaseous):	Not applicable		
Explosive Limits	Lower: Not Determined		
Explosive Limits	Upper: Not Determined		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No further relevant information available.

Chemical stability: No decomposition if used and stored according to specifications.

Possibility of hazardous reactions: Reacts with strong oxidizing agents. Reacts with strong acids. Reacts with alkali (lyes). Corrosive action on metals.

Conditions to avoid: Store away from oxidizing agents.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Slight irritant effect on mucous membranes. **Ingestion:** None under normal use. **Skin contact:** Slight irritant effect on skin and mucous membranes. **Eye Contact:** Irritating effect.

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: 7722-84-1 Hydrogen peroxide - Oral LD50 376 mg/kg (rat); Inhalative LC50/4h 2.0 mg/L (rat)

Carcinogenic categories:

NTP(National Toxicology Program):	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.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: The product contains materials that are harmful to the environment. **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:** Harmful to aquatic organisms. 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. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. **Contaminated packaging:** Disposal must be made according to official regulations **Recommended cleansing agents:** Water, if necessary with cleansing agents.

SECTION 14 - TRANSPORT INFORMATION

UN number (DOT, IMDG, IATA):	Not Regulated.
UN proper shipping name (DOT, IMDG, IATA):	Not Regulated.
Transport hazard class(es) (DOT, IMDG, IATA):	Not Regulated.
Packing group (DOT, IMDG, IATA):	Not Regulated.
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

Issue Date 18 – December – 2015

Revision Date –

Version # 02

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.