HeroBiobased Carpet Cleaner **MSDS DATE: 12/8/2009**

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	**Hero Biobased Carpet Cleaner**
PRODUCT USE DESCRIPTION:	**Cleaning Compound / Solution**
MANUFACTURER:	**Solvent-Systems International**
ADDRESS:	**70 King Street, Elk Grove Village, IL 60007**
EMERGENCY PHONE:	**847-437-1100**
CHEMTREC PHONE:	**800-424-9300**

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT
Vegetable Derived Methyl Ester	61788-59-8	12-15%
Anionic/Nonionic Surfactants	Confidential	12-15%
Potassium Saponified Vegetable Oils	Various	4-6%
Amine Soap of Vegetable Oils	Confidential	<3%
Diethanolamine	111-42-2	<2%

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Moderately irritating to the eyes. Prolonged contact with skin may cause irritation. May cause irritation of the respiratory tract.

ROUTES OF ENTRY: Ingestion, inhalation, dermal and ophthalmic.

POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to the eyes

SKIN: May cause irritation to the skin.

INGESTION: May be harmful if swallowed. May cause dizziness, incoordination, headache, nausea, vomiting and diarhea.

INHALATION: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN: Rinse affected areas with water and remove all contaminated clothing. If irritation develops, seek medical attention.

INGESTION: If ingestion occurs, seek medical attention. Do not induce vomiting.

INHALATION: If symptoms are experienced, move victim to fresh air and remove the source of contamination. If symptoms persist or worsen, get medical attention immediately.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog, foam, dry powder, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear self contained breathing apparatus – pressure demand (MSHA/NIOSH approved or equivalent) and full protective gear

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Low levels of nitrogen oxide compounds or ammonia.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Isolate area, keeping unnecessary personnel away. Stay upwind and out of low areas. Prevent further leakage, as is safe to do so and prevent entry into waterways, sewers or spillways. Eliminate of all ignition sources and wear appropriate protective equipment and clothing during clean-up. Small spills may be cleaned up with a non combustible spill absorbent and should be disposed of properly. Large spills may should be contained using an earthen or other means dike and pumped to an appropriate container for later disposition.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with skin and eyes. Wash hands thoroughly after handling. Store in a cool and well ventilated place - away from any open flames.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation. Eye wash fountain and emergency showers are generally recommended for all chemicals.

EYE PROTECTION: Chemical proof goggles.

SKIN PROTECTION: Chemical impervious gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Suitable protective clothing to prevent exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, yellow – orange thin to viscous liquid.

ODOR: Light detergent – surfactant and slight citrus fragrance.

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 7-9
pH (Use): 7-9
BOILING POINT:
F: 212
C: 100

SPECIFIC GRAVITY (H2O = 1): 1.01

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: 100%

PERCENT SOLIDS BY WEIGHT: 30%

VISCOSITY @ 22 C: 150-500

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions

CONDITIONS TO AVOID (STABILITY): Heat, flames, sparks.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids and oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Upon decomposition, this product may yield ammonia or other nitrous vapors.

HAZARDOUS POLYMERIZATION: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Diethanolamine may be absorbed through the skin and is a Group A3 known animal carcinogen with unknown relevance to humans. Citrus terpene has been recognized by the FDA as Generally Recognized as Safe (GRAS).

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with applicable regulations. All wastes must be handled in accordance with local, state and federal regulations, which may vary.

SECTION 14: TRANSPORT INFORMATION

NOTES: Refer to bill of lading or container label for DOT or other transportation hazard classifications, if any.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):
Diethanolamine (111-42-2) 100 lb RQ

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):
Diethanolamine (111-42-2) 1.0%

311/312 HAZARD CATEGORIES:
No

313 REPORTABLE INGREDIENTS:
Diethanolamine 9111-42-2)

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

HMIS Ratings:
Health – 1; Reactivity – 0; Flammability – 0.

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