

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: NPE (New Premium Everblum[®] Cleaning Fluid)

Product use: Spot cleaning of apparel and textiles.

Supplier name and address:

National Guards

6900 Washington Blvd.
Montebello, CA 90640
323-890-3000

Manufacturer's name and address:

ALBATROSS USA INC.

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

US Patent Nos: 5,419,849 and 5,454,969

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>OSHA PEL(ppm)</u>	<u>ACGIH TLV (ppm)</u>	<u>LC₅₀(rat,inh) (ppm/4hr)</u>	<u>LD₅₀(mg/kg) rat, oral dermal, rabbit</u>	
Dichloro- fluoroethane	1717-00-6	40 - 45	500	500	56,700/6hr	>5,000	>2,000
Synthetic isoparaffinic hydrocarbons	64742-48-9	40 - 70	N/Av	300 (Exxon)	N/Av	N/Av	N/Av
1-Methoxy-2- propanol	107-98-2	3 - 7	100	100	15,000	6,600	13,000 - 14,000

Sara 313 Listed Chemicals	CAS #	% (weight)
Dichlorofluoroethane	1717-00-6	40 - 45

Chemical Family: Hydrocarbon/Fluorocarbon Blend
CAS No.: Mixture

SECTION 3 — HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Target organs: Eyes, skin, respiratory system, central nervous system

Signs and symptoms of short-term (acute) exposure:

Inhalation: Inhalation may cause headache, nausea, vomiting, dizziness, loss of co-ordination, coughing and shortness of breath.

Skin contact: Skin contact may cause mild irritation.

Eye contact: Direct eye contact may cause stinging, tearing, redness and swelling.

Ingestion: Ingestion may cause nausea, vomiting, headaches, dizziness, and gastrointestinal irritation.

Effects of long-term (chronic) exposure: Prolonged or repeated skin exposure may cause redness, burning, drying and cracking of the skin.

Other important hazards: CNS depression and cardiac arrhythmia may result from exposure.

SECTION 4 — FIRST AID MEASURES

Inhalation: Immediately remove person to fresh air. If breathing stops, provide rescue breathing. If respiratory symptoms or other symptoms of exposure develop, obtain medical attention immediately.

Skin contact: Flush skin with soap and running water for at least 5 minutes, while removing contaminated clothing. If irritation persists, obtain medical attention.

Eye contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention.

Ingestion: If swallowed, do not induce vomiting. Obtain medical attention immediately. This material is a potential aspiration hazard.

SECTION 5 — FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Combustible. This material may be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment). Upon evaporation, during use, this material may become flammable.

Flash point (Method): 61.7°C (143°F) (Tag closed cup)

Lower flammable limit (% by volume): N/Av

Upper flammable limit (% by volume): N/Av

Explosion data:

Sensitivity to mechanical impact: No

Sensitivity to static discharge: Yes

Oxidizing properties: No

Auto-ignition temperature: N/Av

Suitable extinguishing media: Use dry chemical, carbon dioxide or a universal type foam.

Special fire-fighting procedures/equipment: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Water spray may be useful in minimizing or dispersing vapours and cooling equipment exposed to heat and flame.

Hazardous combustion products: Carbon monoxide, carbon dioxide.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Dike far ahead of the spill for later recovery or disposal.

Spill response/Cleanup: Stop leak if you can do so without risk. Use water spray to reduce vapours. Contain and absorb with non-combustible absorbent material, then place absorbent material into a container for later disposal (see Section 13). Flush area with water. Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Prohibited materials: None known.

Special spill response procedures: If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center (phone: 1-800-424-8002).

DOT/CERCLA Reportable quantity: None

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: This material is combustible. Eliminate all ignition sources. Bond and ground containers, hoses and piping when transferring liquid. Keep container tightly closed. Use caution when opening cap.

Storage requirements: Store in a cool, dry, well-ventilated area. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Keep quantity stored as small as possible.

Incompatible materials: Strong acids or bases, oxidizing agents, selected amines, zinc, aluminum, alkali metals, halogens, anhydrides, isocyanates, acetaldehyde, chlorine, ethylene oxide, hydrogen peroxide, organometallic contaminants.

Special packaging materials: Not available.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Use general or local exhaust ventilation to meet TLV requirements.

Respiratory protection: Respiratory protection is required if the airborne concentration exceeds the TLV. Air-purifying respirators or a self-contained breathing apparatus is recommended depending on the airborne concentration levels.

Protective gloves: Gloves impervious to the material are recommended.

Eye protection: Safety goggles.

Other protective equipment: Uniform, and eyewash station.

Permissible exposure levels: See Section 2.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: Clear, colourless liquid, solvent odour.

Odour threshold: Not Available.

Boiling point: 90 - 350°F (approximate)

Vapour pressure: 172 mm Hg @ 20°C (calculated)

Coefficient of oil/water distribution: N/Av
0.897

Vapour density: N/Av

Evaporation rate (nBuOAc=1): 3.5

pH: Not Available.

Melting/freezing point: N/Av

Solubility in water (%): 6 (estimated)

Specific gravity or relative density (water = 1):

Volatile organic compounds (VOC's): 628 GH/L.

Percent Volatile by Weight: 100

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Stable. This product forms combustible and/or explosive mixtures with air and/or oxygen. NPE is not photochemically reactive.

Conditions to avoid: Static discharge, friction, heat, open flame, other sources of ignition, and air.

Materials to avoid: Incompatible materials (see Section 7).

Hazardous decomposition products: Carbon monoxide, carbon dioxide, hydrochloric acid, hydrofluoric acid and carbonyl halides, such as phosgene.

SECTION 11 — TOXICOLOGICAL INFORMATION

LD₅₀: See Section 2

LC₅₀: See Section 2

Routes of exposure: Skin contact, eye contact, absorption, inhalation, and ingestion.

Toxicological data: There is no available data for the product itself, only for the ingredients.

Carcinogenicity: None of the ingredients are classified as a carcinogen (IARC).

Teratogenicity, mutagenicity, other reproductive effects: None known.

Sensitization to material: None known.

Conditions aggravated by exposure: Skin disorders, and respiratory system disease.

Synergistic materials: Not available.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

Important environmental characteristics: N/Av

Aquatic toxicity: There is no data available on the product itself.

SECTION 13 — WASTE DISPOSAL

Handling for disposal: Handle waste according to recommendations in Section 7.

Methods of disposal: Dispose in accordance with all applicable federal, provincial, state, and local regulations.

SECTION 14 — TRANSPORTATION INFORMATION

Transportation of Dangerous Goods (TDG) information:

Shipping description: Not regulated

49 CFR information:

Shipping description: Compound, Cleaning Liquid (Flash Point >141 F)

Not regulated (when shipped in non-bulk containers only). UN number not applicable.

International Dangerous Goods information:

IMO: Not regulated

ICAO: Not regulated

SECTION 15 — REGULATORY INFORMATION

WHMIS information: B3 (Flash point between 37.8 and 93.3 °C), D2B (Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

CEPA information: All ingredients are listed on the DSL/NDSL.

TSCA information: All ingredients are listed on the TSCA inventory.

SARA

Section 302, 304: None

Section 311, 312: Acute, Chronic

Section 313: See Section 2

RCRA: Contains F001 Waste if used in degreasing, or F002 Waste if used in other applications.

HMIS: Health 2 Flammability 1 Reactivity 0

California Proposition 65: None of the ingredients are listed in Proposition 65.

Environmental Protection Agency: Dichlorofluoroethane is a class 2 O.D.S. The depletion warning is NOT required on materials cleaned with this substance. Dichlorofluoroethane harms public health by destroying ozone in the upper atmosphere.

SECTION 16 — OTHER INFORMATION

Legend:

N/Av – Not Applicable	N/Av – Not Available
OSHA – Occupational Safety and Health Act	Inh – Inhalation
TLV – Threshold Limit Value	TSCA – Toxic Substances Control Act
DSL – Domestic Substances List	NDSL – Non-Domestic Substances List
IMO – International Maritime Organization	DOT – US Department of Transportation
ICAO – International Civil Aviation Organisation	
CFR – United States Code of Federal Regulations	
IARC – International Agency for Research on Cancer	
NIOSH – National Institute for Occupational Safety and Health	
ACGIH – American Conference of Governmental Industrial Hygienists	
EPA – United States Environmental Protection Agency	
CEPA – Canadian Environmental Protection Act	
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (EPA)	
TDG – Canadian Transportation of Dangerous Goods Act and Regulations	

References: Canadian Centre for Occupational Health and Safety, databases.
 Material Safety Data Sheet from manufacturer.
 N.Irving Sax. Dangerous Properties of Industrial Materials. Seventh Edition.
 Hawley's. Condensed Chemical Dictionary. Eleventh Edition.

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Preparation date: April 11, 2001

NOTICE:

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

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