SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Address:
8125 Cobb Center Drive
Kennesaw, GA 30152

Product Information: 800-TECH-401
Customer Service: 800-645-5244

Emergency: (Chemtrec) 800-424-9300
Revision Date: April 4, 2008

Product Identification

ELECTRO-WASH® PX
(Formerly CFC-Free Electro-Wash 2000)

Product Code: ES1210 (NSN 6850-01-393-9054), ES810, ES1210C, ES810BC

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name | CAS No. | Wt. % Range
--- | --- | ---
Isohexane, a mixture of:
- 2-methylpentane | 107-83-5 | 1.0-46.0
- 3-methylpentane | 96-14-0 | 1.0-25.0
- 2,3-Dimethylbutane | 79-29-8 | 1.0-25.0
- 2,2-Dimethylbutane | 75-83-2 | 1.0-25.0
- n-hexane | 110-54-3 | 0.1-3.0

Denatured alcohol a mixture of:
- Ethanol | 64-17-5 | 1.0-25.0
- Isopropanol | 67-63-0 | 1.0-20.0
- Ethyl acetate | 141-78-6 | 0.1-10.0
- 1,1-difluoroethane | 75-37-6 | 5.0-25.0
- Carbon dioxide | 124-38-9 | 1.0-5.0

SECTION 3: HAZARD IDENTIFICATION

Emergency Overview: Clear, colorless liquid with mild hydrocarbon solvent. This product is extremely flammable. Liquid may irritate eyes and skin under repeated or prolonged exposure. Breathing high concentrations of product may produce drowsiness and a headache.

Potential Health Effects:
- Eyes: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation.
- Skin: Contact causes skin irritation.
- Ingestion: Harmful if swallowed. Irritating to the mouth, throat and stomach. May cause vomiting. Inhalation: Harmful if inhaled. High concentrations in immediate area can displace oxygen and cause dizziness, unconsciousness and even death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus. Pre-Existing Medical Conditions Aggravated by Exposure: Heart, lung, skin, eye.

SECTION 4: FIRST AID MEASURES

- Eyes: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel if irritation develops or persists.
- Skin: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.
- Ingestion: If swallowed, do not induce vomiting. Keep head below knees to minimize chance of aspirating material into the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: -20°F (-29°C) (isohexane) LEL/UEL: 1.2/7.7 (% by volume in air) Extinguishing Media: Use alcohol foam, carbon dioxide or water spray when fighting fires involving this material. Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Large Spills: Shut off leak if possible and safe to do so. Wear self-contained breathing apparatus and appropriate personal protective equipment. Absorb spill with inert material (i.e. dry sand or earth), then place in a chemical waste container for proper disposal. Do not flush to sewer. Avoid runoff into storm sewers and ditches that lead to waterways.

Small Spills: Absorb spill with inert material (i.e. dry sand or earth), then place in a chemical waste container for proper disposal.

SECTION 7: HANDLING AND STORAGE

Avoid prolonged or repeated contact with skin, eyes or clothing. Wash hands before eating. Use with adequate ventilation. Avoid breathing product vapor. Do not reuse this container. Store in a cool dry place, away from heat, sparks or flames. Keep container tightly closed when not in use. Do not store in direct sunlight.

KEEP OUT OF REACH OF CHILDREN.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL / OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methylpentane</td>
<td>500 ppm</td>
<td>NA</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>3-methylpentane</td>
<td>500 ppm</td>
<td>NA</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>2,3-Dimethylbutane</td>
<td>500 ppm</td>
<td>NA</td>
<td>1000 ppm</td>
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<tr>
<td>2,2-Dimethylbutane</td>
<td>500 ppm</td>
<td>NA</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>n-Hexane</td>
<td>50 ppm</td>
<td>500 ppm</td>
<td>NA</td>
</tr>
</tbody>
</table>

Denatured alcohol, a mixture of:
- Ethanol | 1000 ppm | 1000 ppm | NA |
- Ethyl acetate | 400 ppm | 400 ppm | NA |
- Isopropanol | 400 ppm | 400 ppm | NA |
- 1,1-difluoroethane | NA | NA | 1,000 ppm (DuPont) |

Work/Hygienic Practices: Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. If vapor concentration exceeds TLV, use NIOSH approved organic vapor cartridge respirator. Wear safety glasses with side shields, goggles and rubber or other chemically resistant gloves when handling this material.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear, colorless liquid
Odor: Mild hydrocarbon solvent
Boiling Point: 122 F (50C)
Vapor Pressure: 198 mm Hg @ 68 F (liquid)
Vapor Density: 3 (isohexanes) (Air 1)
Specific Gravity: 0.70 @ 68F
Evaporation Rate: >1 (Butyl acetate=1)
Viscosity: Not established
Percent Volatile: 100

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable.
Conditions to Avoid: Do not spray near open flames, red hot surfaces or other sources of ignition.
Incompatibility: Do not mix powdered alkali and alkaline earth metals or strong oxidizing agents.
Products of Decomposition: Thermal decomposition may release carbon monoxide, carbon dioxide and incompletely burned hydrocarbons.
Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: Ethanol LC50 rats 20,000 ppm/10 hr
Ethyl acetate LC50 rats 200gm/m³
Isopropanol LC50 rats 12,000 ppm/8 hrs
1,1-difluoroethane * Rat ALC 383,000 ppm/4hrs
Skin: Isopropanol rabbits MLD
Ethanol rabbit 400 mg open
Ethyl acetate LD50 rabbit >20 mL/kg

SECTION 12: ECOLOGICAL INFORMATION

Environmental Impact Information
Avoid runoff into storm sewers and ditches which lead to waterways. Water runoff can cause environmental damage.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

Proper Shipping Name: Aerosols Flammable, n.o.s.
UN Number: UN 1950
Class: 2.1
Risk Group: NA
Hazard Label: Flammable
Sub. Pkg.: NA
Pkg. Max.: 203'/75'
Ground: Consumer Commodity
ORM-D
NA
NA
NA
ORM-D
Pkg.
Auth.
173.306

SECTION 15: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION
This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372). This information should be included on all MSDSs copied and distributed for this material.

SECTION 16: OTHER INFORMATION

Product is a Level 3 aerosol. Do not puncture or incinerate containers. Normal ventilation for standard manufacturing practices is usually adequate. Local exhaust should be used when large amounts are released. NOTE: This MSDS is applicable to all product containers with date codes of 01175 or later.

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.