

EP-921™

EP-921™ is a unique cleaning compound designed as a substitute for MEK, MEK/Toluene blends, and lacquer washes. **EP-921™** functions well as a low volatility surface preparation solvent and is excellent for resin and paint application equipment clean up.

EP-921™ is a lightly regulated, low VOC, low toxicity, high flash point formulation that is ideal for functioning within the modern regulatory climate. In fact, the emission limitation inherent in its formation may qualify it as a Maximum Available Control Technology (MACT). Its use without vapor collection will compete favorably with the use of MEK and a 99.7% efficient vapor collection system. Users should check with local air pollution control jurisdictions for a determination.

The formulation of **EP-921™** is outside the RCRA hazardous waste regulations. None of its components are listed in SARA, Title III, Sections 302 or 313. None of its components are listed under CERCLA.

EP-921™ is the only compound utilized for paint operations cleanup that enjoys a toxicity clearance from the U.S. Army Center for Health Promotion and Preventative Medicine (CHPPM), 1 December, 1998.

EP-921™ enjoys the following specifications:

NAVAIR

- **Naval Air Systems Command Technical Manual 01-1A-509-1**—Environmentally Compliant Solvent for paint equipment cleaning

U.S. AIRFORCE

- Tech Order to replace 1,1,1 Trichloroethane regarding maintenance for the Advance Cruise Missile

ROCKET RESEARCH (OLIN AEROSPACE DIVISION)

- **RRC-M&P-0005, Solution 017**—Ultra-sonic cleaning and hand wiping

GENERAL DYNAMICS MISSILE SYSTEMS SPECIFICATION

- **0-75173**—Process specification for spot and seam resistance welding
- **5-73509**—Process specification for cleaning corrosion resistant steels and nickel based alloys prior to spot and seam resistance welding or manual and machine fusion welding

BOEING AIRCRAFT COMPANY

- **BAC 5750**—General solvent cleaning

Physical/Chemical Characteristics:

Boiling Point: >340°F

Vapor Pressure (mmHg @ 25°C): <1

Vapor Density (air = 1): >4.7

Specific Gravity (H₂O = 1): .98

VOC per SCAQMD Rule 1173 (ASTM D-86): <0.1% by weight

National Stock Numbers:

6850-01-381-3300—5 gallon can

6850-01-381-4408—55 gallon drum

Headquarters: **Inland Technology Incorporated** • 401 East 27th Street • Tacoma, Washington 98421

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04-22-13

MATERIAL SAFETY DATA SHEET

This form complies with OSHA Hazardous Communication Standard, 29 CFR 1910.1200.

SECTION I

EP-921™

Inland Technology Incorporated • 401 East 27th Street • Tacoma, WA 98421

Product Information: 1-800-552-3100

Transportation Emergencies: 1-800-255-3924

Date: April 26, 2013

MSDS No. 04112

Product Number: FE921

Synonyms: NSNs: 6850-01-381-4408 & 6850-01-381-3300

SECTION II - INGREDIENTS AND HAZARD IDENTIFICATION

Substances NOT considered hazardous by OSHA may also be listed.

COMPONENTS	CAS #	PEL	TLV	OTHER
Tripropylene glycol methyl ether	25498-49-1	Not Listed	Not Listed	
Propylene Carbonate	108-32-7	Not Listed	Not Listed	
d-Limonene	5989-27-5	Not Listed	Not Listed	

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Initial Boiling Point: 340 F

Specific Gravity (H₂O=1): .98

Vapor Pressure (@ 25°C in mmHg): <1

Vapor Density (air=1): >4.7

Evaporation Rate (n-Butyl Acetate=1): <.02

Solubility: Very slight (water)

Volatile by Volume: 17%

Appearance and Odor: Clear with mild citrus odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point: 146°F PMCC

Flammable Limits: - LEL: .7% **UEL:** 6.1

Extinguishing Media: Foam, water spray, dry chemical, carbon dioxide.

Special Fire Fighting Procedures: Wear positive-pressure, self-contained breathing apparatus. Cool container with spray if possible.

Unusual Fire and Explosion Hazards: Auto ignition temperature approximately 460°F.

SECTION V - REACTIVITY DATA

Chemical Incompatibility: Avoid contact with strong acids and strong oxidizing agents.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

Stability: Stable

MATERIAL SAFETY DATA SHEET: EP-921™

Inland Technology Incorporated

Product Information: (800) 552-3100

Transportation Emergencies: (800) 255-3924

SECTION VI - HEALTH HAZARD DATA

Signs and Symptoms of Overexposure

Acute Health Effects: Products contacting the eyes may cause eye irritation. Prolonged skin contact may cause redness and irritation. Swallowing large amounts can cause gastrointestinal disturbances.

Chronic Health Effects: Prolonged or repeated skin exposure can lead to mild irritation, defatting and dermatitis.

Carcinogenic Ingredients: None known

Primary Routes of Entry: Skin, and eyes.

Medical Conditions Aggravated by Exposure: None known.

Emergency and First-Aid Procedures:

Eyes: If eye contact occurs, flush with water for at least 15 minutes or until irritation subsides. If irritation persists contact physician.

Skin: In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

Inhalation: If overcome by vapor, remove from exposed area and call physician immediately.

Ingestion: DO NOT induce vomiting; call physician immediately.

If conditions persist get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Take in Case Material is Released: Shut off and eliminate all ignitable sources. Contain and collect material. Absorb residue.

Waste Disposal Method: Contact federal, state, county or local environmental regulatory agencies for guidance.

Handling and Storage: Use and store away from heat, sparks, and open flame. Keep container sealed when not in use.

SECTION VIII - CONTROL MEASURES

Personal Protection Equipment

Respirator: Approved organic respirator if excessive mist or vapors are created.

Gloves: Use solvent-resistant gloves.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Equipment: Boots, coveralls, aprons as necessary to prevent skin contact.

Workplace Considerations

Ventilation: Mechanical ventilation not normally required, unless product is heated, and/or is atomized in a confined space.

Engineering Controls: Eye wash or sterile eye rinse. Keep container closed. Do not store near heat or flame.

Work Practices: Read and understand all cautions, labels, and MSDS before using this product.

Hygiene Practices: Do not have food in the vicinity. Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Wash contaminated clothing before reuse.

Keep All Chemicals Out of the Reach of Children.

The information and recommendations contained herein are presented in good faith and believed to be correct and reliable to the best of Inland Technology's knowledge. Inland Technology, or its distributors, do not warrant or guarantee reliability, and shall not be liable for any loss or damage arising out of the use thereof. Contact Inland to confirm, in advance of need, that the information is current, applicable, and suitable to each circumstance.