

A Product Of:  
 Arrow Paper Corporation  
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 Ref. No.: 0312  
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**SECTION I - PRODUCT IDENTIFICATION**

TradeName: PATRIOT CITRA-SOLV (CITRUS SOLVENT EMLUSIFIER)  
 Chemical name / synonyms: Diphasic solvent/water solution  
 Formula: Mixture

D.O.T.: Combustible Liquid, N.O.S. (Contains Terpene Hydrocarbons),  
 Combustible, NA 1993, PG III  
 HMIS CODE: Health 2, Fire 2, Reactivity 0  
 HMIS KEY: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=insignificant

**SECTION II - HAZARDOUS INGREDIENTS**

Substance	% Composition	TLV
Monocyclic Terpene CAS# 5989-27-5	< 40	ND
2-Butoxyethanol CAS # 111-76-2	< 10	25 ppm (skin)

**SECTION III - PHYSICAL DATA**

Boiling Pt (°F): ND  
 Vapor Pressure (mm Hg): ND  
 Vapor Density (air=1): 4.7  
 Solubility in water: Emulsifies  
 Appearance and Odor: Tan clear liquid with citrus odor.  
 Specific Gravity: 0.96  
 Voc (% wt): 31  
 Evaporation Rate: Slow  
 pH: 8.5 - 9.0

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Pt (°F): 123  
 test method: (cc)  
 Extinguishing Media: Carbon dioxide, water foam, dry chemical.  
 Special fire fighting procedures: Use air supplied respiratory equipment. Avoid use of water as may spread flame.  
 Unusual fire and explosion hazard: Do not mix with strong oxidants. Combustible liquid. Cool exposed containers with water.

**SECTION V - HEALTH HAZARD DATA - ROUTES OF ENTRY**

Threshold Limit Value: See Section II  
 Acute Effects Of Overexposure: EYES- irritation, dermatitis.  
 INHALATION- irritation. INGESTION- nausea, dizziness, harmful if swallowed.  
 Chronic Effects Of Overexposure: not known.  
 Emergency And First Aid Procedures: EYES- flush with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention. SKIN- remove contaminated clothing and launder before reuse. Wash skin with soap and water. INHALATION- remove person to fresh air. Administer artificial respiration if indicated. Obtain immediate medical assistance.

INGESTION- Do not induce vomiting. Call physician or poison center immediately.

**SECTION VI - REACTIVITY DATA**

Stability: stable  
 Conditions to avoid: Heat, sparks, open flame and contact with strong oxidizing agents like liquid chlorine or concentrated oxygen.  
 Hazardous decomposition products: none known other than oxides of carbon.  
 Hazardous polymerization products: Will not occur.

**SECTION VII - SPILL OR LEAK PROCEDURE**

Steps to be taken if material is released or spilled: Eliminate all sources of ignition. Large spills: evacuate area. Dike and contain. Place in nonleaking containers for disposal agency. Small spills: soak or mop up. Remove to out of doors. Evaporates leaving little if any residue.  
 Waste disposal method: Small quantities will evaporate readily. Dispose of in compliance with local, state and federal regulations.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

Respiratory Protection: None normally needed. Use with adequate ventilation.  
 Ventilation: local exhaust should be adequate.  
 Protective gloves: rubber or other impervious gloves.  
 Eye protection: chemical goggles  
 Other protective equipment: Usually not needed.

**SECTION IX - SPECIAL PRECAUTIONS**

Precautions to be taken in handling and storage: Store in a cool dry place, away from heat, spark, or open flame. Keep container tightly closed when not in use. Empty containers may retain hazardous residue. Do not cut or weld empty containers.  
 Other precautions: KEEP OUT OF REACH OF CHILDREN.  
 ND on this form means NOT DETERMINED.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet or on the Product Label is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Regulations and Massachusetts Right to Know Law.