

Tower Products, Inc., 2703 Freemansburg Ave., Easton, PA 18045
Information Telephone Number: 1-800-527-8626 or 610-253-6206
For Chemical Spill Emergency - Call 1-800-424-9300

SECTION 1: PRODUCT INFORMATION

Product Name: **DYNAMIC ARP-IMPROVED FORMULA** (High Technology Alcohol Substitute)

D.O.T. Designation: Cleaning Liquid. Not Regulated.

U.N. Designation: Same as DOT

SECTION 2: HAZARDOUS COMPONENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	CAS No.	%WT.	OSHA PEL	ACGIH TLV	OTHER RATINGS	OSHA STEL
2-Butoxyethanol (1)	111-76-2	75-85	25ppm	25ppm		

(1) Potential significant contribution to overall exposure by cutaneous (skin) route, mucous membranes and eyes either by contact with vapors or direct skin contact.

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >212 degrees F.

Specific Gravity: (Water =1) 0.93

Vapor Pressure: Not Calculated

Melting Point: N/A

Vapor Density: Not Calculated

Solubility in Water: Complete

Appearance & Odor: Water white liquid, mild odor

Maximum VOC Content: 6.2 lbs. per gallon (744 grams per liter)

Maximum VOC%: 84%

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Tag Closed Cup Method): Greater than 227 degrees F.

Flammable Limits (Calculated): LEL: Not Determined UEL: Not Determined

Extinguishing Media: Use dry chemical or carbon dioxide.

Special Fire-fighting Procedures: Use self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Combustible liquid. Upon combustion, the product may form carbon monoxide and other organic compounds. Product containers may rupture from vapor pressure when exposed to heat from fire.

SECTION 5: REACTIVITY DATA

WARNING: Spontaneous combustion may occur when solvent soaked combustible materials (paper, cotton, etc.) are allowed to stand in a confined area.

Stability: Stable, however may form peroxides of unknown stability.

Incompatibility: Avoid strong oxidizing agents. Minimize exposure to air, potential peroxide former.

Hazardous Decomposition or Byproducts: Carbon monoxide and other compounds during combustion.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs and open flame. Also avoid strong oxidizing agents.

SECTION 6: HEALTH HAZARD DATA

Route of Entry: Inhalation, Ingestion, Skin, Skin Absorption

Health Hazards (Acute): May cause blood disorders based on animal data.

Health Hazards (Chronic): Prolonged skin contact may cause dermatitis.

May cause blood disorders based on animal data.

Eye Contact: May lead to irritation.

Skin Contact: May lead to dermatitis.

Ingestion: May be harmful if swallowed.

Carcinogenicity (NTP, IARC, OSHA): Components of this product are not listed as carcinogens by these agencies

Medical Conditions Aggravated by Exposure: May cause blood disorders. May aggravate pre-existing kidney disorders.

Emergency and First Aid Procedures:

For Skin Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention.

For Inhalation: Remove to fresh air. Get immediate medical attention.

For Eye Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention.

For Ingestion: Get immediate medical attention. Induce vomiting as directed by medical personnel.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE/REGULATORY INFORMATION

Steps to be taken in case material is released or spilled:

(Minor Spills): Absorb material with ground clay, vermiculite, or similar absorbent material, then place into containers for removal.

(Major Spills): Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent, or other safe and approved method and place into containers for legal disposal.

Flush area with water to remove residue and remove flushed solutions as above.

(Waste Disposal Method): Dispose of all waste in accordance with federal, state and local regulations.

Regulatory Information:

Chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372: Ethylene Glycol Monobutyl Ether.

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate Agencies.

Precautions to be Taken in Handling and Storing: Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV in Section 2. If TLV's are exceeded, use supplied air equipment or respirators with proper NIOSH approved cartridges. Keep containers closed when not in use.

Empty containers can be hazardous and contain explosive vapors.

HMIS: Health Hazard: **2** Flammability: **1** Reactivity: **0** Personal Protection: **B**

SECTION 8: CONTROL MEASURES

Respiratory Protection: Needed if TLV's in Section 2 are exceeded. Use a respirator with appropriate NIOSH approved cartridges or air supplied equipment.

Ventilation: Local and mechanical exhaust recommended. Avoid open electrical sources near product vapor areas.

Protective Gloves: Impervious or chemical resistant gloves (consult safety equipment supplier).

Eye Protection: Chemical splash goggles are recommended to protect against potential eye contact.

Other Protective Clothing and Equipment: Safety shoes and aprons recommended.

Work and Hygiene Practices: Do not take internally. Avoid skin contact, and wash skin after using products.

Do not eat, drink or smoke in work area. Keep away from children.

FOR MORE INFORMATION, CONSULT TOWER PRODUCTS, INC.

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