

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION**Company Address:**8125 Cobb Center Drive
Kennesaw, GA 30152Product Information: 800-TECH-401
Customer Service: 800-645-5244Emergency: (Chemtec) 800-424-9300
Revision Date: February 17, 2010**Product Identification****ELECTRO-WASH® TWO-STEP (Liquid)
(Formerly Chem-Solv™)****Product Code: ES125A, ES125AC, ES825AL, ES525A, ES5525A****SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Wt. % Range
3-methoxy-3-methyl Butanol	56539-66-3	25.0-75.0
Dipropylene glycol methyl ether	34590-94-8	25.0-75.0
N-Methyl pyrrolidone	872-50-4	5.0-25.0
2-Butoxy ethanol	111-76-2	0.1-10.0

SECTION 3: HAZARD IDENTIFICATION**Emergency Overview:** Clear, colorless liquid with hydrocarbon odor. This product is not 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. Symptoms may include redness and burning.**Ingestion:** Harmful if swallowed. Large amounts may be 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.

Preexisting Medical Conditions Aggravated by exposure: skin, eyes, liver, kidneys

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. Give lukewarm water to victim (pint) if victim is conscious and alert. 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:** 152°F (67°C) TCC**LEL/UEL:** Not established (% 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 a 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:**

CHEMICAL NAME	ACGIH TLV	OSHA PEL	ACGIH STEL
3-methoxy-3-methyl Butanol	NA	NA	NA
Dipropylene glycol methyl ether	100 ppm	100 ppm	150 ppm
N-Methyl pyrrolidone	NA	NA	NA
2-Butoxy ethanol	20 ppm (skin)	50 ppm (skin)	NA

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 (or goggles) and rubber or other chemically resistant gloves when handling this material.**NFPA and HMIS Codes:**

	NFPA	HMIS
Health	1	1
Flammability	2	2
Reactivity	0	0
Personal Protection	-	B

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIESPhysical State: Clear, colorless liquidOdor: Mild hydrocarbon solventBoiling Point: 340°F to 400°F ((171C to 204C)Vapor Pressure: 0.5 mm Hg @ 68°FVapor Density: >1 (Air = 1)Solubility in Water: Soluble 0Specific Gravity: 0.962 @ 75 °FEvaporation Rate: <1 (Butyl acetate=1)Viscosity: >1 (Water =1)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.Conditions to avoid: NA**SECTION 11: TOXICOLOGICAL INFORMATION**Inhalation:

3-methoxy-3-methyl butanol* rats 500 ppm/ 28 days (No toxic effects noted)

2-Butoxy ethanol Human TClO 100 ppm

N-Methylpyrrolidone LC50 rat >5.1 mg/L/4H

Ingestion:

3-methoxy-3-methyl butanol* LD50 rats 4300 mg/kg

N-Methylpyrrolidone LD50 Rats 4990 mg/kg

2-Butoxy ethanol Rat LD50 470 mg/kg

Dipropylene Glycol Methyl Ether rat 5135 mg/kg

Eye:

3-methoxy-3-methyl butanol* rabbit - MOD

N-Methylpyrrolidone Rabbit 100 mg MOD

2-Butoxy ethanol Rabbit 100 mg SEV

Dipropylene Glycol Methyl Ether human 8 mg MLD

Skin:

3-methoxy-3-methyl butanol* LD50 rats >2000 mg/kg

N-Methylpyrrolidone LD50 rabbit 8,000 mg/kg

Dipropylene Glycol Methyl Ether rabbit LD50 9500 mg/kg

2-Butoxy ethanol Rabbit 500 mg Open; MLD

*Information obtained from manufacturer.

Cancer Information: No ingredients listed as human carcinogens by NTP or IARC

Reproductive effects: N-methyl pyrrolidone Teratogenic effects: none

Mutagenic effects: none

SECTION 12: ECOLOGICAL INFORMATION**Environmental Impact Information**

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

REPORTINGUS regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is: **1-800-424-8802****SECTION 13: DISPOSAL CONSIDERATIONS**

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

SECTION 14: TRANSPORTATION INFORMATION

Proper

Shipping Name

Air: and Ground: Cleaning compound n.o.i. Not Regulated.**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 (40 CFR 372).

N-Methyl pyrrolidone

CAS# 872-50-4

5.0-25.0%

This information should be included on all MSDSs copied and distributed for this material.

California Proposition 65: This product contains N-methyl pyrrolidone, a chemical known to the state of California to cause birth defects or other reproductive harm.**TOXIC SUBSTANCES CONTROL ACT (TSCA).** All ingredients of this product are listed on the TSCA Inventory.

WHMIS: Class B3; Class D2B

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION

Normal ventilation for standard manufacturing practices is usually adequate. Local exhaust should be used when large amounts are released.

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.