

SAFETY DATA SHEET



SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Echo[®] Aluminum Cleaner[™]**

PRODUCT TYPE Acid Cleaner
PRODUCT CODE: DE40

MANUFACTURER: Echo International, Inc
420 St. Paul Street
Rochester, NY 14605
(800) 876-0222
EMERGENCY (585) 275-3232

SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: DANGER: CORROSIVE, IRRITANT  
Keep out of reach of children. May be corrosive to eyes. May be corrosive to skin.
POTENTIAL HEALTH EFFECTS: Eyes: Corrosive. Causes eye burns. May cause irreversible eye damage.
Skin: Corrosive. Causes skin burns.
Inhalation: Corrosive to mucous membranes.
Ingestion: Harmful if swallowed. May cause vomiting.

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PEL	TLV	STEL	%
Water	7732-18-5	NE	NE	NE	75-90%
Phosphoric Acid	7664-38-2	NE	1 mg/m ³	3 ppm	5-15%
Dipropylene Glycol Methyl Ether	34590-94-8	100 ppm	NE	150 ppm	2-8%
Linear Alcohol Ethoxylate	34398-01-1	NE	NE	NE	<1 %

SECTION 4 FIRST AID MEASURES

First Aid Procedures:

Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician if irritation persists.
Skin contact: For skin contact flush with large amounts of water. Call a physician if irritation persists.
Inhalation: Immediately remove from further exposure. Give supplemental oxygen, if breathing is difficult. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested, treat the affected person symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: None LOWER EXPLOSIVE LIMIT: ND UPPER EXPLOSIVE LIMIT: ND
EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Appropriate for surrounding fire.
UNUSUAL FIRE & EXPLOSION HAZARDS: None
SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.
Environmental precautions: Prevent further leakage or spillage if safe to do so.
Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.
Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.
Large Spills: Dike far ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing including eye protection and impermeable gloves. Wash hands after handling.

Storage: Keep from freezing. Keep containers tightly closed. Store in a dry place.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:

Component:	TWA	STEL
Phosphoric Acid:	1 mg/m ³	3 ppm
Dipropylene Glycol Methyl Ether	100 ppm	150 ppm

Engineering controls: Use local exhaust ventilation.

Personal protective equipment:

General: Eye wash fountain and emergency showers are recommended.

Eye/face protection: Wear safety glasses or goggles.

Skin protection: Wear suitable protective clothing. Use impervious gloves.

Respiratory protection: Not normally required if good ventilation is maintained.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT:	212°F (100°C)	SPECIFIC GRAVITY (H ₂ O=1):	1.05
VAPOR PRESSURE:	ND	PERCENT VOLATILE BY VOL %:	75-90%
VAPOR DENSITY (air=1):	ND	EVAPORATION RATE (Butyl Acetate=1):	ND
SOLUBILITY IN WATER:	Completely Soluble	APPEARANCE & ODOR:	Clear Colorless Liquid
pH:	1.5		

SECTION 10 STABILITY and REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (material to avoid): Strong bases or reducing agents,

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Oxides of Phosphorous, Phosphine, and low molecular weight hydrocarbons may be produced.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Components Test Results: No data available. Product is corrosive to mucous membranes, eyes and skin.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

SECTION 12 ECOLOGICAL INFORMATION

No Data Available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose according to all applicable Federal, State, and Local regulations.

SECTION 14 TRANSPORT INFORMATION

This product is considered Hazardous in transportation. The product is classified "ORM-D" in appropriate packaging.

In bulk containers, this product is classified: Phosphoric Acid Solution, 8, 1805, PG III

SECTION 15 REGULATORY INFORMATION

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 16 OTHER INFORMATION

Further information: (HMIS[®] is a registered trade and service mark of the NPCA.)

HMIS [®] ratings	Health: 3 Flammability: 0 Physical hazard: 1
NFPA ratings	Health: 3 Flammability: 0 Reactivity: 0

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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