

Section 1: Identification

MANUFACTURER: PACE Technologies
3601 E. 34th St.
Tucson, AZ 85713

INFORMATION PHONE: 520-882-6598

EMERGENCY PHONE: CHEMTREC 800-424-9300 (US) Day or night
Customer No. 16568

TRADE NAME: ULTRACLEAN Degreaser / Cleaner

CHEMICAL FAMILY: 2-(2-butoxyethoxy)ethanol, Fatty alcohol ethoxylate

Section 2: Hazard(s) Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)	Causes eye irritation
PICTOGRAM(s):	
SIGNAL WORD:	Warning
HAZARD STATEMENTS:	Hazard Statement(s): H319 Causes eye irritation
PRECAUTIONARY STATEMENTS:	<p>Precautionary Statement(s):</p> <p>Response: P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protectionP305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 If eye irritation persists: Get medical advice/attention IF SWALLOWED: Drink 1 or 2 glasses of water</p> <p>Storage: None</p> <p>Disposal: None</p> <p>Hazards not otherwise classified (HNOC): None</p>

Section 3: Composition/Information on Ingredients

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>%</u>
2-(2-butoxyethoxy)ethanol	112-34-5	0.25-2
Fatty alcohol ethoxylate	160875-66-1	0.25-2
Water	7732-18-5	96-99%

Section 4: First-Aid Measures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

SKIN CONTACT: Rinse with plenty of water. Get medical attention if irritation develops and persists.

EYE CONTACT: Rinse with plenty of water. Get medical attention immediately if irritation persists. Do NOT allow rubbing of eyes or keeping eyes closed.

INGESTION: Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

Most important symptoms/effects, acute and delayed None under normal use conditions

Section 5: Fire-Fighting Measures

FLASH POINT: FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

SPECIFIC FIRE FIGHTING INSTRUCTIONS: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

Section 6: Accidental Release Measures

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

Section 7: Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.
Advice on Safe Handling of Combustible Dust: No Information

Section 8: Exposure Controls/ Personal Protection

Chemical Name	CAS-No	Weight % Less Than	ACGIH TLVTWA	ACGIH TLVSTEL	OSHA PEL-TWA	OSHA PELCEILING
2-(2-butoxyethoxy)ethanol	112-34-5	5.0	10 ppm	N.E.	N.E.	N.E.
Fatty alcohol ethoxylate	160875-66-1	5.0	N.E.	N.E.	N.E.	N.E.

PERSONAL PROTECTION

ENGINEERING MEASURES: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross ventilation.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

SKIN PROTECTION: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.

RESPIRATORY PROTECTION: When respiratory protection is required, use a particulate cartridge. All respiratory programs must meet OSGA's 29 CFR 1910.34 & ANSI Z88.2 requirements.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Section 9: Physical and Chemical Properties

APPEARANCE AND ODOR: Clear, light green; scented

FLASH POINT: 94 deg C (201 deg F)

BOILING POINT: 100 – 537 deg C (212-999 deg F)

VAPOR PRESSURE: NE

VAPOR DENSITY: Heavier than Air

SOLUBILITY IN WATER: Miscible

SPECIFIC GRAVITY: 1.006

EVAPORATION RATE (Butyl Acetate=1): Slower than Ether

pH (10% solution) 12.5 - 13.0

Section 10: Stability and Reactivity

STABILITY: Stable.

CONDITIONS TO AVOID:	None under normal processing.
INCOMPATIBILITY:	Incompatible with strong oxidizing agents, strong acids and strong alkalies.
HAZARDOUS DECOMPOSITION:	When heated to decomposition, it emits acrid smoke and irritating fumes.
HAZARDOUS POLYMERIZATION:	Hazardous polymerization does not occur.

Section 11: Toxicological Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-(2-butoxyethoxy)ethanol	112-34-5	5660 mg/kg Rat	2700 mg/kg Rabbit	N.E.

N.E. - Not Established

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

Section 12: Ecological Information

Product is a mixture of listed components.

Section 13: Disposal Considerations

WASTE DISPOSAL METHOD: Wastes must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transportation Information

Not regulated

Section 15: Regulatory Information

SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No
2-(2-butoxyethoxy)ethanol	112-34-5

CERCLA

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Serious eye damage or eye irritation

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product

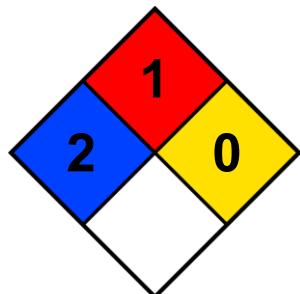
U.S. State Regulations:

California Proposition 65:

WARNING: No Prop. 65 warning is required.

Section 16: Other Information

16.1 NFPA 704



Top, Flammability: 1 – Slight Hazard

Left, Health Hazard: 2 – Moderate Hazard

Right, Reactivity: 0 – Minimal Hazard

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