

Section 1: Identification

MANUFACTURER: PACE Technologies
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INFORMATION PHONE: 520-882-6598

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

TRADE NAME: ULTRACLEAN 2 Ultrasonic Degreaser Cleaner with Corrosion Inhibitor


CHEMICAL FAMILY: Anionic and nonionic surfactants, ethyl alcohol, water, stabilizing agents

HMIS RATING: HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

HAZARD RATING:

LEAST: 0 SLIGHT: 1 MODERATE: 2 HIGH: 3 EXTREME: 4

Section 2: Hazard(s) Identification

GHS CLASIFICATION:	Flammable Liquids (Category 3) Acute toxicity, Oral (Category 4) Skin irritation (Category 2) Eye irritation (Category 2A) Carcinogenicity (Category 2) Specific target Organ Exposure (STOT), single exposure (Category 3)
PICTOGRAM(s):	
SIGNAL WORD:	Danger
HAZARD STATEMENTS:	Hazard Statement(s): H225– Highly flammable liquid and vapor H302- Harmful if swallowed H305– May be harmful if swallowed and enters airways H315- Causes skin irritation H319- Causes eye irritation H332– Harmful if inhaled H336– May cause dizziness and drowsiness

	H351- Suspected of causing cancer
PRECAUTIONARY STATEMENTS:	<p>Precautionary Statement(s):</p> <p>Preventions: P201- Obtain special instructions before use. P202- Do not handle until all safety precautions have been read and understood. P210-Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P233- Keep container tightly closed. P240- Ground/bond container and receiving equipment. P241- Use explosion-proof electrical/ventilating/lighting/equipment. P242- Use only non-sparking tools. P243- Take precautionary measures against static discharge. P264- Wash skin thoroughly after handling. P270- Do not eat, drink or smoke when using this product. P280- Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Response: P301+312- IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. P302+P352-IF ON SKIN: wash with plenty of soap and water. P303+ P361+P353- IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313- IF exposed or concerned: Get medical advice/attention. P321- Specific treatment (see first aid information). P330- Rinse mouth.P332+P313-IF SKIN irritation occurs: Get medical advice/attention. P332+P313- IF SKIN irritation occurs: Get medical advice/attention. P337+P313-IF eye irritation persists: Get medical advice/attention. P362-Take off contaminated clothing and wash before reuse. P370+P378- In case of fire: Use dry chemical, CO2 or appropriate foam for extinction.</p> <p>Storage: P405- Store locked up. P403+P235- Store in a well-ventilated place. Keep cool.</p> <p>Disposal: P501- Dispose of contents/container to Federal, State and Local Regulations. Concentrated product may be disposed of through incineration, if governmental regulations permit.</p>

EYES: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

SKIN: Harmful if absorbed through the skin. Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.

INHALATION: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

INGESTION: Harmful if swallowed. If conscious, drink water and induce vomiting immediately as directed by medical personnel.

Section 3: Composition/Information on Ingredients

CHEMICAL	CAS NUMBER	EINECS Number	% PRESENT
Ethanol (ethyl alcohol)	64-17-5		<1%
Isopropyl Alcohol (2-propanol)	67-63-0	200-661-7	<5%
Benzene azimide	95-14-7	202-394-1	<2%
Bidegradable polymer	-	-	<5%
Water	7732-18-5	-	75-90%

Section 4: First-Aid Measures

- EYES:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
- SKIN:** Harmful if absorbed through the skin. Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.
- INHALATION:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.
- INGESTION:** Harmful if swallowed. If conscious, drink water and induce vomiting immediately as directed by medical personnel.

Section 5: Fire-Fighting Measures

- FLAMMABLE LIMITS:** 2% (LEL) 12.7% (UEL)
- EXTINGUISHING MEDIA:** Dry chemical; carbon dioxide; "alcohol" foam; water spray to cool fire-exposed containers and to disperse vapors
- SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and protective clothing.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide

Section 6: Accidental Release Measures

STEPS TO TAKE IF MATERIAL IS SPILLED OR RELEASED: Evacuate the area of all unnecessary personnel. Wear suitable protection equipment as listed under Exposure Controls / Personal Protection. Eliminate all sources of ignition. Contain the spill and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal as described under Disposal Considerations. Comply with all government regulations on reporting releases.

Section 7: Handling and Storage

- Keep container closed.
- Store in a cool area away from ignition sources and oxidizers.
- Do NOT breathe vapors.
- Do NOT get in eyes.
- Avoid prolonged or repeated skin contact.
- Electrically ground all equipment when handling this product.

Section 8: Exposure Controls/ Personal Protection

- * If workplace exposure limits are exceeded (reference TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. Engineering and administrative controls should be implemented to reduce exposure. Transfer material in an approved fume hood or with adequate ventilation.
- * Protective Gloves (butyl rubber, PVC or equivalent) should be worn to prevent skin contact.
- * Safety glasses with side shields must be worn at all times.
- * Wash thoroughly after handling. Do NOT take internally. Eye wash and safety equipment should be readily available.

OSHA PEL and ACGIH TLV

Isopropyl Alcohol: 400 ppm (980 mg/m³) 8 hour Time weight Average and 500 ppm (1225mg/m³) Short Term Exposure Limit.

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: mist; organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998.

EYE PROTECTION: It is a good industrial hygiene practice to minimize eye contact.

SKIN PROTECTION: It is a good industrial hygiene practice to minimize skin contact.

**RECOMMENDED
DECONTAMINATION
FACILITIES:**

Eye bath, washing facilities

Section 9: Physical and Chemical Properties

PHYSICAL FORM:	Liquid
BOILING POINT:	91-100°C
MELTING POINT:	-44°C
SPECIFIC GRAVITY (H2O = 1)	1.1
COLOR	Slight yellow
ODOR	Mild
SOLUBILITY IN WATER (% BY VOLUME)	Miscible
EVAPORATION RATE (BUTYL ACETATE = 1)	<1 (Butyl Acetate=1)
VAPOR DENSITY (air=1)	>1
Flash Point (Tag closed cup)	26.7°C

Section 10: Stability and Reactivity

STABILITY: Stable.

INCOMPATIBLE MATERIALS: Acids, oxidizer, halogens and halogen compounds, aldehydes.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, contact with ignition sources.

STABILITY: Stable.

Section 11: Toxicological Information

Isopropyl Alcohol

Oral (Human): LD50: 3570 mg/kg
Oral (Rat): LD50: 5045 mg/kg

Inhalation (Rat): LC50: 16000 ppm/ 8 hours

Tests on laboratory animals indicate isopropyl alcohol may produce adverse mutagenic and reproductive effects in animals.

Benzene Azimide

ORL-RAT LC50 560 mg/kg

ORL-MUS LD50 615 mg/kg

IHL-RAT LC50 1910 mg/m³/3h

SKN-RAT LD50 > 1000 mg/kg

Section 12: Ecological Information

Do not allow concentrated product to contaminate ponds, watercourses, soils or drains. Do NOT dispose of product down the drain.

Section 13: Disposal Considerations

Concentrated product may be disposed of through incineration, if governmental regulations permit. Always contact a licensed, permitted Treatment, Storage and Disposal Facility to assure compliance with all local and state governmental regulations.

Section 14: Transportation Information

- * Shipping Name: Flammable Liquids, n.o.s. (Isopropanol, mixture)
- * UN Number: UN 1993
- * Class: Class 3
- * Packing Group: PG III
- * Limited Quantity Shipments: <5 L

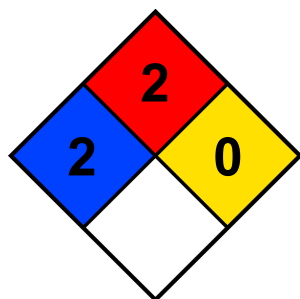
Section 15: Regulatory Information

<u>R-Phrases:</u>	<u>S-Phrases:</u>
R11 (Highly Flammable)	S7 (Keep container tightly closed)
R22 (Harmful if swallowed)	S16 (Keep away from sources of ignition)
	S24/25 (Avoid contact with skin and eyes)
R36 (Irritating to eyes)	S26 (In case of contact with eyes, rinse immediately with plenty of

	water and seek medical advice)
R37 (Irritating to respiratory system)	S28 (After contact with skin, wash immediately with plenty of soap-suds)
R38 (Irritating to skin)	S36/37/39 (Wear suitable protective clothing, gloves and eye/face protection)

Section 16: Other Information

16.1 NFPA 704



Top, Flammability: 2 – Moderate Hazard

Left, Health Hazard: 2 – Moderate Hazard

Right, Reactivity: 0 – Minimal Hazard

Bottom, Special Notice: N/A

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