

SECTION 1. PRODUCT AND COMPANY INFORMATION

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
International call collect CHEMTREC 202-483-7616

TRADE NAME: IPA Corrosion Inhibitor Additive (conc.)

CHEMICAL FAMILY: Corrosion Inhibitor

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

HAZARD RATING:

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

SECTION 2. HAZARD IDENTIFICATION

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 / INGREDIENTS

CHEMICAL	CAS NUMBER	EINECS Number	% PRESENT
Isopropyl Alcohol (2-propanol)	67-63-0	200-661-7	50-75%

Benzene azimide	95-14-7	202-394-1	<5%
Biodegradable polymer	-	-	<10%
Water	7732-18-5	-	25-50%

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.
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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
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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 CONTROL / 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 DATA

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. TRANSPORT INFORMATION

- * Shipping Name: Flammable Liquids, n.o.s. (Isopropanol)
- * UN Number: UN 1993
- * Class: Class 3
- * Packing Group: PG II

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

Label Statements:

LOW HAZARD FOR USUAL DILUTED INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL

Get medical attention if symptoms occur.

CAUTION: FOR MANUFACTURING, PROCESSING OR REPACKING BY TRAINED PERSONNEL

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