### Section 1: Identification

**PRODUCT IDENTIFIER:** DIACUT Water-Based Cutting Fluid  
**CHEMICAL FAMILY:** Synthetic Coolant  
**EMERGENCY PHONE:** CHEMTREC 800-424-9300 (US) Day or night  
Customer No. 16568

**MANUFACTURER:** PACE Technologies  
3601 E. 34th St., Tucson, AZ 85718  
Tucson, Arizona USA  
Phone: +1 520-882-6598  
FAX: +1 520-882-6599

### Section 2: Hazard(s) Identification

| GHS CLASSIFICATION: | Acute toxicity, Oral (Category 4)  
|                     | Skin irritation (Category 2)  
|                     | Eye irritation (Category 2A)  
|                     | Carcinogenicity (Category 2)  

| PICTOGRAM(s): | ![Warning Symbol] ![Person Icon]  

| SIGNAL WORD: | Warning  

| HAZARD STATEMENTS: | Hazard Statement(s):  
|                   | H302-Harmful if swallowed  
|                   | H315-Causes skin irritation  
|                   | H319-Causes eye irritation  
|                   | H351- Suspected of causing cancer  

| PRECAUTIONARY STATEMENTS: | Precautionary Statement(s):  
|                           | **Preventions:**  
|                           | P201- Obtain special instructions before use.  
|                           | P202- Do not handle until all safety precautions have been read and understood.  
|                           | 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.  
|                           | P281- Use personal protective equipment as required.  

| 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.  


Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>CAS NUMBER</th>
<th>EINECS Number</th>
<th>% PRESENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>200-338-0</td>
<td>&gt;10%</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-7-6</td>
<td></td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Benzene azimide</td>
<td>95-14-7</td>
<td>202-394-1</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Biodegradable polymer</td>
<td>-</td>
<td>-</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

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

EXTINGUISHING MEDIA: Water spray, Dry chemical, CO2, alcohol foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section 6: Accidental Release Measures

STEPS TO TAKE IF MATERIAL IS SPILLED OR RELEASED: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste

For Large Spills: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

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.

Section 8: Exposure Controls/ Personal Protection

EXPOSURE LIMITS: ACGIH threshold Limit Value (TLV): not established

OSHA (USA) Permissible Exposure Limit (PEL, 1989 Table Z-1-A values or section-specific standards): not established

AIHA Workplace Environmental Exposure Level (WEEL): propylene glycol: 500 ppm TWA, total: 10 mg/m3 TWA, aerosol only

VENTILATION: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
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

<table>
<thead>
<tr>
<th>PHYSICAL STATE: Liquid</th>
<th>ODOR: Slight perfume</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR: Blue</td>
<td>SOLUBILITY IN WATER: Yes</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY: 1.060</td>
<td></td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

STABILITY:
Stable.

INCOMPATIBLE MATERIALS:
Material can react with strong oxidizing agents and heavy metals.

HAZARDOUS POLYMERIZATION:
Will not occur.

CONDITIONS TO AVOID:
Avoid contact with incompatible materials and exposure to extreme temperatures.
Section 11: Toxicological Information

EFFECTS OF EXPOSURE:

INHALATION: Low hazard for usual industrial handling or commercial handling by trained personnel.

EYES: Low hazard for usual industrial handling or commercial handling by trained personnel.

SKIN: This material has a low potential to cause allergic skin reactions; however, cases of human skin sensitization have been reported.

INGESTION: Expected to be a low ingestion hazard.

ACUTE TOXICITY DATA (Propylene Glycol):

- Oral LD_{50} (rat): 21.0-33.7 g/kg
- Oral LD_{50} (mouse): 23.9-31.8 g/kg
- Oral LD_{50} (guinea pig): 18.4-19.6 g/kg
- Oral LD_{50} (rabbit): 15.7-19.2 g/kg
- Inhalation LC_{50} (rat): >105 ppm/8 hour(s) (highest concentration obtainable)
- Dermal LD_{50} (rabbit): 20.8 g/kg
- Skin irritation (guinea pig): none
- Skin irritation (rabbit): none
- Skin sensitization (human): slight
- Eye irritation (rabbit): slight

TOXICITY DATA (Benzene azimide)

- ORL-RAT LC_{50} 560 mg/kg
- ORL-MUS LD_{50} 615 mg/kg
- IHL-RAT LC_{50} 1910 mg/m3/3h
- SKN-RAT LD_{50} > 1000 mg/kg

Definitions for the following section(s): LOEL = lowest-observed-effect level,
NOAEL = no observed-adverse-effect level, NOEL = no-observed-effect level.

Subchronic Toxicity Data: Oral study (140 days, rat): NOEL = 13200 mg/kg/day

Chronic Toxicity Data (Propylene Glycol):

- Oral study (2 years, dog): NOEL = 2000 mg/kg/day
Inhalation study (12-18 months, rat): NOEL = 65.8-100 ppm/day (highest concentration obtainable)

Carcinogenicity Data: Oral study (2 years, dog): NOEL = 2500 mg/kg/day

Reproductive Toxicity Data: Oral study (mouse): NOEL for maternal/paternal toxicity = 10100 mg/kg/day (highest dose tested); NOEL for maternal/paternal fertility = 10100 mg/kg/day (highest dose tested); NOEL for embryo/fetotoxicity = 10100 mg/kg/day (highest dose tested).

Mutagenicity/Genotoxicity Data: Salmonella typhimurium assay (Ames test): negative (+/- activation)

---

Section 12: Ecological Information

Introduction: This environmental effects summary is written to assist in addressing emergencies created by an accidental spill which might occur during the shipment of this material, and, in general, it is not meant to address discharges to sanitary sewers or publicly owned treatment works. Data for this material have been used to estimate its environmental impact.

It has the following properties: a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to persist in the environment, a low potential to bioconcentrate. After dilution with a large amount of water, followed by secondary waste treatment, this material is not expected to cause adverse environmental effects.

Oxygen Demand Data:
- ThOD: 1.68 g oxygen/g
- COD: 1.63 g oxygen/g
- BOD-5: 1.08 g oxygen/g
- BOD-20: 1.225 g oxygen/g

Acute Aquatic Effects Data:
- 24-h LC-50 (goldfish): >5000 mg/l
- 48-h LC-50 (guppy): >10000 mg/l
- 96-h LC-50 (rainbow trout): >10000 mg/l
- 96-h LC-50 (bluegill sunfish): 1700 mg/l
- 96-h LC-50 (tidewater silverside): 650 mg/l

---

Section 13: Disposal Considerations

Discharge, treatment, or disposal may be subject to federal, state, or local laws. Incinerate.
Section 14: Transportation Information

DOT (CFR49): NOT REGULATED.

IATA (air): NOT REGULATED.

IMDG (ocean): NOT REGULATED.

HAZARD CLASSIFICATION: NON-HAZARDOUS.

PACKING GROUP: NOT REGULATED.

UN/NA CODE: NOT REGULATED.

Section 15: Regulatory Information

- This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
- OSHA Classification: nonhazardous
- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): material(s) known to the State to cause cancer: none known to Eastman
- California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): material(s) known to the State to cause adverse reproductive effects: none known to Eastman

- This document has been prepared in accordance with the MSDS requirements of the WHMIS (Canada) Controlled Products Regulation.
- WHNIS (Canada) Status: non-controlled
- WHMIS (Canada) Hazard Classification: not applicable
- Carcinogenicity Classification (components present at 0.1% or more):
  - International Agency for Research on Cancer (IARC): not listed
  - American Conference of Governmental Industrial Hygienists (ACGIH): no listed
  - National Toxicology Program (NTP): not listed
  - Occupational Safety and Health Administration (OSHA): not listed
- Chemical(s) subject to the reporting requirements of Sectin313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: none
- SARA (USA) Sections 311 and 312 hazard classification(s): not applicable
Section 16: Other Information

16.1 NFPA 704

Top, Flammability: 0 – Minimal Hazard
Left, Health Hazard: 1 – Slight Hazard
Right, Reactivity: 0 – Minimal Hazard
Bottom, Special Notice: N/A

Disclaimer:
PACE Technologies, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. PACE TECHNOLOGIES, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.
ACCORDINGLY, PACE TECHNOLOGIES, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

DATE REVISED: 5/7/2020 DZ