



# CRYOTECH E36<sup>®</sup> Lavatory Antifreeze

## Safety Data Sheet

### SECTION 1 – IDENTIFICATION

#### PRODUCT IDENTIFIER

Cryotech E36<sup>®</sup> Lavatory Antifreeze

#### OTHER MEANS OF IDENTIFICATION

#### RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Freeze point depressant in aircraft and transit lavatory systems

#### RESPONSIBLE PARTY INFORMATION

##### Name/Address

Cryotech Deicing Technology  
6103 Ortho Way  
Fort Madison, IA 52627  
United States

##### Contact information

Telephone: (800) 346-7237  
Email: [deicers@cryotech.com](mailto:deicers@cryotech.com)  
Website: [www.cryotech.com](http://www.cryotech.com)

#### EMERGENCY PHONE NUMBER

CHEMTREC: 1(800) 424-9300 or +1(703) 527-3887  
CCN5925

### SECTION 2 – HAZARD IDENTIFICATION

#### HAZARD INFORMATION ACCORDING TO OSHA HAZCOM 2024

|                                  |                             |
|----------------------------------|-----------------------------|
| Hazard classification            | Not classified as hazardous |
| Signal word                      | N/A                         |
| Hazard statement(s)              | N/A                         |
| Hazard symbol(s)                 | No pictogram                |
| Precautionary statement(s)       | Not required                |
| Hazards not otherwise classified | None                        |

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

#### MIXTURES

| Chemical Name                                        | Common name and synonyms                              | CAS number | %(wt.) |
|------------------------------------------------------|-------------------------------------------------------|------------|--------|
| Potassium acetate                                    | Potassium ethanoate;<br>Potassium salt of acetic acid | 127-08-2   | 50     |
| Water                                                |                                                       | 7732-18-5  | 50     |
| Trade Secret/Proprietary Corrosion Inhibitor Package |                                                       |            | <1     |



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#### SECTION 4 – FIRST AID MEASURES

##### **DESCRIPTION OF FIRST AID MEASURE**

|                   |                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b> | If inhaled, remove to fresh air. Get medical advice if cough or other symptoms appear.                                                                                                                   |
| <b>Skin</b>       | Wash hands and exposed skin thoroughly after handling.                                                                                                                                                   |
| <b>Eye</b>        | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.               |
| <b>Ingestion</b>  | If swallowed, give milk or water to drink and telephone for medical advice. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. |

##### **MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

May cause temporary eye irritation. Symptoms may include temporary discomfort, excessive blinking, tear production, redness, and/or swelling. May cause itching or irritation of any cut or abraded skin. Prolonged contact may cause dry skin. Inhalation of mist during handling may cause minor respiratory tract irritation and coughing. Ingestion of large quantities may cause nausea, vomiting, diarrhea, and/or abdominal discomfort.

##### **INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

If you feel unwell, seek medical advice. This product contains potassium acetate. Though ingestion of large amounts of potassium salts usually results in vomiting, excessive potassium absorption can cause hyperkalemia.

#### SECTION 5 – FIRE-FIGHTING MEASURES

##### **SUITABLE EXTINGUISHING MEDIA**

Water, carbon dioxide, or dry chemical. Use extinguishing media appropriate for the surrounding environment.

##### **UNSUITABLE EXTINGUISHING MEDIA**

Not applicable

##### **SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

None expected

##### **SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS**

Wear protective equipment suitable for the surrounding environment.

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

##### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

Avoid eye/skin contact with spilled material. Wear appropriate personal protective equipment (refer to Section 8 of this SDS).

##### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Contain and/or absorb spill with inert material (e.g., sawdust, sand, kitty litter). Scoop up material and transfer to disposal container. If needed, rinse spillage area with plenty of water.



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#### SECTION 7 – HANDLING AND STORAGE

##### **PRECAUTIONS FOR SAFE HANDLING**

Avoid eye/skin contact. Avoid breathing of mist. Wear appropriate personal protective equipment (refer to Section 8 of this SDS). Wash hands thoroughly after use. Change contaminated clothing.

##### **PRECAUTIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store in tightly sealed containers, away from direct heat and strong oxidizing agents. Do not store or handle product in systems constructed of wetted parts consisting of galvanized steel, zinc, or brass components.

#### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

##### **US OSHA PERMISSIBLE EXPOSURE LIMIT (PEL)**

No specific limits established.

##### **AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS THRESHOLD LIMIT VALUE (TLV)**

No TLV established.

##### **APPROPRIATE ENGINEERING CONTROLS**

Have eyewash stations available. Ensure adequate ventilation if handling can generate mist, especially in confined areas.

##### **INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT**

Wear safety glasses with side shields or safety goggles. Chemical-resistant gloves are not usually necessary, but should be worn if prolonged exposure is possible. Clothing should be suitable to protect skin (e.g., long sleeves, long pants). Avoid breathing mist. If conditions create high airborne concentrations of this product, use an approved respirator, such as an N95 mask. Always use good personal hygiene habits when using this product, such as avoiding touching the face, and thoroughly and regularly washing hands.

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                                                                              |
|---------------------------------------|------------------------------------------------------------------------------|
| Physical State                        | Liquid                                                                       |
| Color                                 | Clear, colorless to light straw color. May be dyed blue at customer request. |
| Odor                                  | Odorless to mild vinegar odor (odor threshold not available)                 |
| Melting point/freezing point          | -60°C (-76°F)                                                                |
| Boiling point                         | ~110°C (230°F)                                                               |
| Flammability                          | Not flammable                                                                |
| Explosive limits (lower and upper)    | Not applicable                                                               |
| Flash point                           | >100°C (212°F)                                                               |
| Auto-ignition temperature             | Data not available                                                           |
| Decomposition temperature             | Data not available                                                           |
| pH                                    | 10.5-11.5                                                                    |
| Kinematic viscosity                   | 6.5 cP at 20°C                                                               |
| Solubility                            | Completely miscible in water                                                 |
| Partition coefficient n-octanol/water | Data not available                                                           |
| Vapor pressure                        | 15 mm Hg at 20°C                                                             |
| Relative density                      | 1.28                                                                         |
| Relative vapor density                | Data not available                                                           |
| Particle characteristics              | Not applicable                                                               |



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#### SECTION 10 – STABILITY AND REACTIVITY

##### **REACTIVITY**

This product is expected to be non-reactive under normal conditions of use, storage, and transport.

##### **CHEMICAL STABILITY**

Stable. Polymerization will not occur.

##### **POSSIBILITY OF HAZARDOUS REACTIONS, INCLUDING THOSE ASSOCIATED WITH FORESEEABLE EMERGENCIES**

In unventilated/closed systems, especially where moisture is present, this product may slowly oxidize reactive metals such as magnesium or zinc resulting in gradual liberation of hydrogen gas which may accumulate over time.

##### **CONDITIONS TO AVOID**

Avoid prolonged contact with reactive metals such as magnesium and zinc in closed systems.

##### **INCOMPATIBLE MATERIALS**

Strong oxidizing agents; strong acids.

##### **HAZARDOUS DECOMPOSITION PRODUCTS**

May decompose into oxides of carbon (e.g., CO, CO<sub>2</sub>).

#### SECTION 11 – TOXICOLOGICAL INFORMATION

##### **INFORMATION ON LIKELY ROUTES OF EXPOSURE**

Ingestion is unlikely during normal operations. Inhalation of mist is most likely when in confined areas. Skin contact may occur from loading operations. Eye contact is possible from splash, or from touching eyes with contaminated hands.

##### **SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS**

May cause acute, temporary eye irritation, excessive blinking, or tearing. Corneal injury is unlikely. May cause irritation or itching of cut or abraded skin. Repeated or prolonged skin exposure may cause dryness. Inhalation of mist during handling may cause temporary respiratory tract irritation and coughing. Ingestion of large quantities may cause nausea, vomiting, diarrhea, and/or abdominal discomfort.

##### **DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE**

Exposure may result in immediate temporary eye irritation or minor skin irritation/dryness. This product is not expected to produce serious delayed or chronic effects from short- or long-term exposure.

##### **NUMERICAL MEASURES OF TOXICITY**

LD50 rat-oral: > 5 g/kg

##### **INTERACTIVE EFFECTS**

None known.

##### **CARCINOGENIC INFORMATION**

No component in this product is listed in the National Toxicology Program (NTP) Report on Carcinogens or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs or by OSHA.



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#### SECTION 12 – ECOLOGICAL INFORMATION

##### **ECOTOXICITY**

Not expected to cause long-term adverse effects in the aquatic or terrestrial environments.

##### **PERSISTENCE AND DEGRADABILITY**

Readily biodegradable. COD (TOD): 0.34 g O<sub>2</sub>/g deicer; BOD<sub>5</sub> (20°C): 0.25 g O<sub>2</sub>/g deicer

##### **BIOACCUMULATIVE POTENTIAL**

Bioaccumulation is not expected.

##### **MOBILITY IN SOIL**

Adverse effects not expected.

##### **OTHER ADVERSE EFFECTS**

None expected.

#### SECTION 13 – DISPOSAL CONSIDERATIONS

##### **WASTE RESIDUES AND INFORMATION ON SAFE HANDLING AND METHODS OF DISPOSAL**

Based on available information, this product is neither listed as a hazardous waste nor does it exhibit any of the characteristics that would cause it to be classified as a characterized hazardous waste under the US Resource Conservation and Recovery Act (RCRA). If recovered product is not fit for use, dispose of contents/container in accordance with local, state, regional, national, and/or international regulations.

#### SECTION 14 – TRANSPORT INFORMATION

|                                   |                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------|
| <b>UN number</b>                  | Not applicable. This material is not regulated as dangerous per US DOT or IATA/ICAO. |
| <b>UN proper shipping name</b>    | Not applicable                                                                       |
| <b>Transport hazard class(es)</b> | Not applicable                                                                       |
| <b>Packing group</b>              | Not applicable                                                                       |
| <b>Environmental hazards</b>      | Not applicable. This material is not a Marine pollutant.                             |
| <b>Transport in bulk</b>          | Consult IMO regulations before transporting ocean bulk.                              |
| <b>Special precautions</b>        | Not applicable                                                                       |

#### SECTION 15 – REGULATORY INFORMATION

##### **INVENTORY LISTS**

All of the components in this product are on the following inventory lists: US (TSCA), Canada (DSL/NDSL), Europe (EINECS); or not required to be listed.

##### **TSCA SECTION 12(B)**

None of the chemicals in this product are listed under US EPA Toxic Substances Control Act (TSCA) Section 12(b).

##### **CERCLA HAZARDOUS SUBSTANCES**

This material, as supplied, does not contain any chemicals regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302). There is no CERCLA Reportable Quantity for this material. There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

##### **EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) SECTION 313**

None of the chemicals in the product are subject to reporting under the US EPA Toxics Release Inventory (TRI) program.



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#### HAZARD CATEGORIES FOR EPCRA 311 / 312

| Health hazard                                         |    |
|-------------------------------------------------------|----|
| Carcinogenicity                                       | No |
| Acute toxicity (any route of exposure)                | No |
| Aspiration hazard                                     | No |
| Reproductive toxicity                                 | No |
| Germ cell mutagenicity                                | No |
| Skin corrosion or irritation                          | No |
| Respiratory or skin sensitization                     | No |
| Serious eye damage or eye irritation                  | No |
| Specific organ toxicity (single or repeated exposure) | No |
| Simple asphyxiant                                     | No |
| Hazard not otherwise classified (HNOC)                | No |

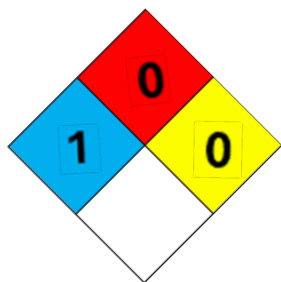
| Physical hazard                                |    |
|------------------------------------------------|----|
| Flammable (gases, aerosols, liquids or solids) | No |
| Gas under pressure                             | No |
| Explosive                                      | No |
| Self-heating                                   | No |
| Pyrophoric (liquid or solid)                   | No |
| Pyrophoric gas                                 | No |
| Oxidizer (liquid, solid or gas)                | No |
| Organic peroxide                               | No |
| Self-reactive                                  | No |
| In contact with water emits flammable gas      | No |
| Combustible dust                               | No |
| Corrosive to metal                             | No |
| Hazard not otherwise classified (HNOC)         | No |

#### CLEAN WATER ACT

None of the chemicals in this product are listed as Priority Pollutants under the US EPA CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the US EPA CWA.

#### NFPA 704



## SECTION 16 – OTHER INFORMATION

#### SDS REVISION DATE

This SDS was revised on **July 31, 2026**.

The latest version can be obtained by contacting Cryotech Deicing Technology.

#### DISCLAIMER

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, GENERAL ATOMICS INTERNATIONAL SERVICES CORPORATION dba Cryotech Deicing Technology makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. GENERAL ATOMICS INTERNATIONAL SERVICES CORPORATION dba Cryotech Deicing Technology assumes no responsibility for any injury or loss resulting from the use of the product described herein. User should satisfy himself that he has all current data relevant to his particular use.

### End of Safety Data Sheet