



DE-ICER™ RTU PA

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Date Prepared: April 1, 2015
MSDS No.: 2316

SECTION 1: IDENTIFICATION

Product name: DE-ICER RTU PA

Recommended use: Snow and ice melter

Physical Description: Clear blue liquid with mild vinegar odor

Generic Ingredients: Water, potassium acetate, dye

Manufacturer:

Penetone Corporation
700 Gotham Parkway
Carlstadt, NJ 07072
800-631-1652 or 201-567-3000

Business Contact:

Customer Service
800-631-1652 x2602 or 2272
Product Safety
800-631-1652 x2211 or 2257

Emergency Phone Numbers: PENETONE 201-567-3000 CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health: Not classified	Physical: Not classified
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Under GHS guidelines, meets no classification criteria.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration Wt% (1)
Water	7732-18-5	45-55
Potassium acetate	127-08-2	45-55

(1) Exact percentages being withheld under trade secret provision of OSHA HCS 1910.1200(I)

SECTION 4: FIRST-AID MEASURES

General Description of Symptoms & First-Aid Measures

Most likely work-place exposure routes will be *skin contact* or *inhalation*. For *skin contact*, no irritation is expected. Repeated or prolonged exposure may lead to drying of the skin, particularly when used in cold or low humidity conditions, or with persons with existing dermatological condition. *Inhalation* of mist may result in minor discomfort to the upper respiratory tract (nose and throat). Typical symptoms could include coughing and sneezing.

Eyes

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 or develops: Get medical advice or attention. Penetone recommends that after any eye exposure a physician be seen immediately.

Ingestion

If swallowed: Rinse mouth. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

Inhalation

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

Skin

If on skin: Wash with plenty of water or a mild soap. Take off contaminated clothing and wash it before reuse. If



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skin irritation occurs: Get medical advice or attention.

Special Treatment / Other
None

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Classification: Non-flammable

Flash Point: None-to-boil

Autoignition Temperature: not applicable

Lower Flammable Limit: Not applicable **Upper Flammable Limit:** Not applicable

Specific Hazards

Product is water based and presents no unusual fire hazards.

Extinguishing Media

Use extinguishing agents appropriate for controlling surrounding fire.

Unsuitable: None.

Protection & Precautions for Firefighters

Protective Equipment & Clothing: Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

Fire Fighting Guidance: Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do it safely. Dike fire control water for later disposal; do not scatter material. Containers can expand and explode under fire conditions due to vapor buildup. Always stay away from containers engulfed in fire.

Hazardous Combustion Products: Smoke, fumes, and oxides of carbon when taken to dryness.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill

Stop leak if you can do it safely. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spill, soak up with absorbent material and place in properly labeled containers for disposal.

Water Spill

This is a water based product and will completely mix/dissolve in water making recovery difficult. Check with local environmental regulatory agencies for reporting requirements.

See SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.

SECTION 7: HANDLING & STORAGE

Handling

Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Do not cut, weld, or reuse empty container.

Storage

Keep container tightly closed when not in use. Do not store near strong acids, bases, or oxidizers. Do not store in direct sunlight. Avoid storing above 120°F (49°C).



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SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protection

Inhalation: A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Use of an organic vapor mask or respirator is recommended.

Skin: Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible. Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on how the product is used. PPE should be cleaned thoroughly after each use.

Eyes: Penetone recommends always wearing safety glasses as a minimum in any workplace. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

Additional Remarks

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

Occupational Exposure Limits

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Type</u>	<u>Notation</u>
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No OELs have been established for any of the components

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Clear blue liquid

Odor: mild vinegar

Odor Threshold: not determined

pH: 7-9

Melting Point / Freezing: about 10°F

Boiling Point / Boiling Point Range: about 220°F

Flash Point: not applicable

Evaporation Rate: equal to water

Flammability: not applicable

Lower Flammable Limit: not applicable

Upper Flammable Limit: not applicable

Explosive Properties: not applicable

Vapor Pressure: equal to water

Relative Vapor Density: equal to water

Relative Density: 1.28

Solubility (Water): soluble

Partition Coefficient (K_{ow}): not determined

Auto-ignition temperature: not applicable

Decomposition temperature: not determined

Viscosity: less than 5 centipoises at room temperature



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SECTION 10: STABILITY & REACTIVITY

Reactivity

Product is essentially neutral. Addition of strong acids and strong bases will generate heat and may cause splattering.

Chemical Stability

Stable.

Hazardous Reactions

None.

Conditions to Avoid

None.

Incompatible Materials

Strong acids, bases, oxidizers.

Hazardous Decomposition Products

Oxides of carbon when taken to dryness and burned.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary

Product is nontoxic and non-irritating to skin and eyes.

Acute Toxicity:

Dermal: no data

Inhalation: no data

Oral: LD50 > 6,000 mg/kg rat (estimated using additivity formula)

Skin Corrosion/Irritation

Non-irritating. Based upon component data.

Serious Eye Damage/Irritation

Non-irritating. Based upon component data.

Sensitization - Respiratory or Skin

No data

Germ Cell Mutagenicity

No data

Carcinogenicity

No component is listed by ACGIH, IARC, or NTP as a carcinogen.

Reproductive Toxicity

No data

Specific Target Organ Effects - Single Exposure

No data

Specific Target Organ Effects - Repeated or Prolonged Exposure

No data



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Aspiration Hazard

Product does not present an aspiration hazard. Based upon component data.

SECTION 12: ECOLOGICAL INFORMATION

Product Summary

Product is non toxic to all aquatic organisms.

Acute Toxicity

LC/EC > 1,800 mg/l for vertebrate, invertebrates, and algae (estimated from additivity formula)

Persistence and Degradability

Product is readily degradable

Bioaccumulative Potential

Based upon degradability, not expected to bioaccumulate.

Mobility in soil

Stays in water, does not adsorb onto soil.

Other Adverse Effects

None

SECTION 13: DISPOSAL CONSIDERATIONS

Product is a nonhazardous under RCRA definitions. Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

Note: Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Appropriate hazardous waste designation is the responsibility of the user.

SECTION 14: TRANSPORT INFORMATION

ID No.:	Not applicable, nonhazardous material
Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable
Packing Group:	Not applicable
Label:	None
Marine Pollutant:	Not applicable
RQ:	None
Special Precautions:	None

SECTION 15: REGULATORY INFORMATION

TSCA

The ingredients in this product are listed on the TSCA inventory.

RCRA HAZARD CLASS

Nonhazardous waste

SARA 311/312 REPORTABLE HAZARD CATEGORIES: Immediate (Acute) Health Fire



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REPORTING REQUIREMENTS (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ (1)	Section 313	CAA 112(r) TQ	CWA / OPA
No components subject to reporting requirements							

NEW JERSEY RIGHT-TO-KNOW INFORMATION

This product contains water (CAS# 7732-18-5) and potassium acetate (CAS# 127-08-2).

CALIFORNIA PROPOSITION 65 INFORMATION

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

SCAQMD INFORMATION

Is there a photochemically reactive material present? No
 What is the % by volume of photochemically reactive material? 0
 What is the VOC content? 0
 What is the vapor pressure of VOC's? 0

SECTION 16: OTHER INFORMATION

REVISION SUMMARY

New GHS format

SUPERSEDES ISSUE DATE

October 21, 2005

HAZARD RATING SYSTEMS:

	<u>HMIS</u>	<u>NFPA</u>
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0
	B	

KEY
 4 = Severe
 3 = Serious
 2 = Moderate
 1 = Slight
 0 = Minimal

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER
 FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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