

GENERAL USE



De-Icer 821 is an odorless, synthetic de-icing compound in pellet form, specially developed to offer advantages over the use of chloride type products for melting ice and snow. **De-Icer 821** with its amazing ability to penetrate and break the bond between the ice and the surface, is ready to use and safe for personnel handling.

De-Icer 821 will not cause cracking or spalling of asphalt or concrete surfaces, will not corrode iron or its alloys, will not destroy or injure healthy vegetation, and is biodegradable. In addition, when compared to commonly used but highly conductive de-icers such as calcium chloride, **De-Icer 821** exhibited relatively low electrical conductivity. **De-Icer 821** is recommended for use on roadways, sidewalks, stair-ways, ramps, platforms, loading docks, parking areas or on any surface where icing conditions threaten.

FEATURES AND BENEFITS

- Ready to use
- Contains no chlorides
- Fast, effective de-icing
- Biodegradable
- Low electrical conductivity
- Not corrosive to iron or its alloys
- Safe on asphalt and concrete
- Will not harm healthy plant life

DIRECTIONS FOR USE

Use procedure

De-Icer 821 is supplied in handy pellet form for easy application. It may be sown by hand, but is most effectively distributed by suitable spreading equipment, such as garden type spreader.

DE-ICER 821

READY TO USE, ICE AND SNOW MELTER

PHYSICAL PROPERTIES

Appearance	Clear blue liquid
Odor	Oily
pH	Not applicable
Freezing Point	Less than -40°F
Boiling Point	About 350°F
Flash Point (TCC)	230°F
Relative Density	0.88
Auto-Ignition Temperature	> 550°F
Water Solubility	Insoluble
Viscosity	5-10 cSt at room temperature

INCOMPATIBILITY

Strong oxidizing agents.

WAREHOUSING PRECAUTIONS

Store in a well-ventilated place. Keep container tightly closed. Open slowly in order to control possible pressure release. Keep cool. Store locked up. Do not store near heat, sparks, open flame, or other ignition sources. Do not store near strong oxidizing agents. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

AVAILABLE SIZES

50 lb. Bag

FIRST AID MEASURES

If in eyes: Rinse cautiously with water for several minutes. If contact lenses present, remove them if easy to do. Continue rinsing for several minutes. If eye irritation persists: Get medical advice or attention. Penetone recommends that after any eye exposure and initial treatment a physician be seen immediately.

If swallowed: Immediately call a poison center, doctor, physician or other competent medical authority. Product presents an aspiration hazard. **DO NOT INDUCE VOMITING.**

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.

If on skin: Wash with plenty of water or a mild soap. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

PERSONAL PROTECTION Security equipment



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IMPORTANT: Before using **DE-ICER 821**, always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).



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