



**DE-ICER™ 818**

Page: 1 of 7  
 Date Prepared: April 1, 2015  
 MSDS No.: 6450

**SECTION 1: IDENTIFICATION**

**Product name:** DE-ICER 818

**Recommended use:** Anit-icing fluid

**Physcial Description:** Clear blue liquid with oily odor

**Generic Ingredients:** Naphthenic hydrocarbon, silicone, 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:**

<p><b>Health:</b>          Aspiration hazard: 1          Eye irritation: 2B</p>	<p><b>Physical:</b>          not classified</p>
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**DANGER!**

May Be Fatal If Swallowed and Enters Airways.  
 Causes Eye Irritation



<p><b>Precautionary Statements:</b></p>	
<p><u>Prevention:</u>          Wash hands and exposed skin thoroughly after handling.</p> <p><u>Response:</u>  <i>If in eyes:</i> 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.</p>	<p><i>If swallowed:</i> Immediately call a poison center, doctor, emergency room, or 911. Do NOT induce vomiting.</p> <p><u>Storage:</u>          Store locked up.</p> <p><u>Disposal:</u>          Dispose of contents/container in accordance with local, regional, and national regulations (see Sections 13 and 15 of SDS for disposal and reporting requirements).</p>

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Concentration Wt% (1)
Naphthenic petroleum distillate	64742-53-6	>90
Alkyl/aryl modified polysiloxane	68037-76-3	<10

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

**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*, typically no effects will be observed. Frequent or prolonged contact may defat and dry the skin.



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**DE-ICER™ 818**

Page: 2 of 7  
Date Prepared: April 1, 2015  
MSDS No.: 6450

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Potential mild irritation may result in more sensitive individuals or ones with skin conditions.

*Inhalation* exposure may produce varied effects, particularly if exposure occurs above the recommended workplace exposure limits (see SECTION 8). Typical symptoms would include headaches, dizziness, and drowsiness. In extreme cases, unconsciousness and other central nervous effects may occur.

**Eyes**

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.

**Ingestion**

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

**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 skin irritation occurs: Get medical advice or attention.

**Special Treatment / Other**

None

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**SECTION 5: FIRE FIGHTING MEASURES**

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**Flammable Properties**

**Classification:** Not classified

**Flash Point:** 230°F TCC

**Autoignition Temperature:** > 550°F

**Lower Flammable Limit:** not determined **Upper Flammable Limit:** not determined

**Specific Hazards**

Combustible liquid. Can form combustible mixtures at or above the flash point.

**Extinguishing Media**

**Suitable:** SMALL FIRE: Use dry chemical, carbon dioxide (CO<sub>2</sub>), water spray or regular foam. LARGE FIRE: water spray, water fog, or foam.

**Unsuitable:** Do not use solid water stream as this may spread fire.

**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:** Mist/spray can burn at temperatures below flash point. 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 and silicon when burned.



**DE-ICER™ 818**

Page: 3 of 7  
Date Prepared: April 1, 2015  
MSDS No.: 6450

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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### **Land Spill**

Eliminate sources of ignition. Do not touch or walk through spilled material. 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**

Product is a hydrocarbon oil, lighter than water and not soluble in water. Product will float. Remove product from water surface by skimming or with suitable absorbents. Put into properly labeled containers for reclamation or disposal. If allowed by local environmental regulatory agencies, you may use a suitable dispersant. Check with local environmental regulatory agencies for reporting requirements.

**See SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.**

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## **SECTION 7: HANDLING & STORAGE**

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### **Handling**

Do not handle near heat, sparks, or flame. Material can accumulate static charges which may cause an electrical spark. When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present. Use proper bonding and/or ground procedures. Avoid contact with oxidizing agents. Use only with adequate ventilation/personal protection (SEE section 8). Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Dispose of empty containers with care. Empty containers can contain flammable residue and explosive vapors. **Do not cut, weld, or reuse empty container.**

### **Storage**

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).

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## **SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION**

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### **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.



**DE-ICER™ 818**

Page: 4 of 7  
Date Prepared: April 1, 2015  
MSDS No.: 6450

**Occupational Exposure Limits**

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Type</u>	<u>Notation</u>
Mineral oil (1)	ACGIH	5 mg/m <sup>3</sup> (l)	TWA	A4
	NIOSH	5 mg/m <sup>3</sup>	TWA	
	OSHA Z1	5 mg/m <sup>3</sup>	TWA	

(1) No OEL for the naphthenic petroleum distillate. Treat as mineral oil mist

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

**Appearance:** clear blue liquid  
**Odor:** oily  
**Odor Threshold:** not determined  
**pH:** not applicable  
**Melting Point / Freezing:** less than -40°F  
**Boiling Point / Boiling Point Range:** about 350°F  
**Flash Point:** 230°F TCC  
**Evaporation Rate:** <0.01 (butyl acetate =1)  
**Flammability:** not applicable  
**Lower Flammable Limit:** not determined  
**Upper Flammable Limit:** not determined  
**Explosive Properties:** not applicable  
**Vapor Pressure:** less than 0.1 mm Hg @ 20°C (68°F)  
**Relative Vapor Density:** not available  
**Relative Density:** 0.88  
**Solubility (Water):** insoluble  
**Partition Coefficient (K<sub>ow</sub>):** not determined  
**Auto-ignition temperature:** > 550°F  
**Decomposition temperature:** not determined  
**Viscosity:** 5-10 cSt at room temperature

**SECTION 10: STABILITY & REACTIVITY**

**Reactivity**

Not reactive.

**Chemical Stability**

Stable under normal conditions.

**Hazardous Reactions**

No hazardous reactions or under normal storage conditions. Hazardous polymerization will not occur.

**Conditions to Avoid**

Product is a combustible liquid. Do not store near sources of heat, sparks, open flame, or other ignition sources.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Smoke, fumes, and oxides of carbon and silicon when burned.



**DE-ICER™ 818**

Page: 5 of 7  
Date Prepared: April 1, 2015  
MSDS No.: 6450

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### Product Summary

Product is nontoxic.

### Acute Toxicity:

**Dermal:** LD50 > 2,000 mg/kg rabbit based upon component data

**Inhalation:** no data available

**Oral:** LD50 > 2,000 mg/kg rabbit based upon component data

### Skin Corrosion/Irritation

Product is nonirritating based upon component data. Frequent or prolonged contact may defat and dry the skin. Potential mild irritation may result in more sensitive individuals or ones with skin conditions.

### Serious Eye Damage/Irritation

May be irritating to the eyes based upon component data.

### Sensitization - Respiratory or Skin

Not expected to be a respiratory or skin sensitizer. Based on component data.

### Germ Cell Mutagenicity

No data available.

### Carcinogenicity

Components not considered to be carcinogens by IARC, ACGIH, NTP, or OSHA. ACGIH assigns highly refined mineral oil as A4: not classifiable as a human carcinogen.

### Reproductive Toxicity

Not expected to be a reproductive toxicant based upon component data.

### Specific Target Organ Effects - Single Exposure

Not classified. Based upon component data.

### Specific Target Organ Effects - Repeated or Prolonged Exposure

Not classified. Based upon component data.

### Aspiration Hazard

Based upon component data, if swallowed, may pose a lung aspiration hazard during vomiting. Lung aspiration may result in chemical pneumonitis, pulmonary edema, and damage to lung tissue or death.

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## SECTION 12: ECOLOGICAL INFORMATION

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### Product Summary

Product will have minimal impact on aquatic organisms.

### Ecotoxicity

Not expected to be harmful to aquatic organisms. Not expected to demonstrate chronic toxicity to aquatic organisms. Based upon component data.

### Persistence and Degradability

Not inherently biodegradable. Based upon component data.

### Bioaccumulative Potential

Biaccumulation is unlikely to be significant because of the low water solubility of the components.



**DE-ICER™ 818**

Page: 6 of 7  
 Date Prepared: April 1, 2015  
 MSDS No.: 6450

**Mobility in soil**  
 Not data available

**Other Adverse Effects**  
 None known

**SECTION 13: DISPOSAL CONSIDERATIONS**

Product is a nonhazardous waste 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:** No  
**RQ:** None  
**Special Precautions:** None

**SECTION 15: REGULATORY INFORMATION**

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

**RCRA HAZARD CLASS**  
 Product is a nonhazardous waste.

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

**REPORTING REQUIREMENTS** (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	CAA 112(r) TQ	CWA / OPA
Product as a whole				(1)			(2)
	(1) This material is not subject to any special reporting under the requirements of CERCLA. CERCLA petroleum exclusion applies for this product. Contact local authorities to determine if other reporting requirements apply. (2) This product is classified as an oil under Section 311 of the CWA (40 CFR 110) and the OPA of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.						

**NEW JERSEY RIGHT-TO-KNOW INFORMATION**

This product contains naphthenic petroleum distillate (CAS# 64742-53-6), and alkyl/aryl modified polysiloxane (CAS# 68037-76-3).



# SAFETY DATA SHEET

Penetone® Corporation, 700 Gotham Parkway, Carlstadt, NJ 07072

## DE-ICER™ 818

Page: 7 of 7  
Date Prepared: April 1, 2015  
MSDS No.: 6450

### 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? Less than 170 g/l  
What is the vapor pressure of VOC's? Less than 0.1 mm Hg @ 20°C (68°F) Record keeping requirements for applications listed under Rule 1171 may not apply.

## SECTION 16: OTHER INFORMATION

### REVISION SUMMARY

New GHS format

### SUPERSEDES ISSUE DATE

January 27, 2014

### HAZARD RATING SYSTEMS:

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