

# LIQUID MEAN GREEN #2966

## Liquid Ice Melt



### Features:

- Concentrated
- Fast and easy to use
- Effective in temperatures as low as -60°F
- Can be used before or after precipitation
- Can be used in the summer to suppress dust on dirt and gravel roads
- Available in 5-gallon pails



### Description:

LIQUID MEAN GREEN is the sure way to stay ahead of winter storms and ensure safe pedestrian and vehicular travel. When used as a pretreatment, it prevents the bonding of snow and ice to pavement and other surfaces, which makes clearing much more efficient. This product is extremely effective in melting snow and ice in temperatures as low as -60°F on a multitude of surfaces.

LIQUID MEAN GREEN can also be used in the summer to control dust on gravel roads, construction sites and any other dusty area by absorbing moisture from the air.

### Applications:

- Parking Lots/Driveways
- Stairs
- Bridges
- Construction Sites
- Gravel Roads
- Asphalt
- Sidewalks
- Outdoor Conveyors

### For Use By:

- DOT's
- Schools/Universities
- Hospitals
- Hotels/Motels
- Fleet Operations
- Nursing Homes
- Industrial Plants
- Bus Garages
- Utility Companies
- Construction Companies
- Food Processing Plants
- Apartment Complexes

### Product Characteristics:

Appearance:	Blue-green. Clear to hazy liquid
Physical State:	Liquid
Odor:	Mild
pH:	9-10
Specific Gravity:	1.2 g/ml
Solubility:	Soluble in water
Flash Point:	>200°F. Closed cup
VOC:	0%
Storage:	Keep container closed when not in use. Store in a cool area. Store in a dry area.
<b>Transport Information:</b>	
Proper Shipping Name:	Not regulated for transport.
UN Number:	Not regulated for transport.
Class:	Not regulated for transport.
Packing Group:	Not regulated for transport.

### Directions:

For complete directions, see label.

**Anti-Icer/Prewetter:** Spray on pavement before precipitation. Use ½ gallon/1,000 sq. ft. Adjust dilution depending on requirement.

**Deicer:** Effective deicer when applied on top of snow and ice. On glazed ice, it may be necessary to score the surface in several places before applying to aid penetration and to prevent run-off. More than one application may be necessary in extreme conditions. Use 1-2 gallons/1,000 sq. ft. near 32°F on thin ice. Use 3-6 gallons/1,000 sq. ft. below 10°F.

**Accelerator:** Significantly improves the performance and longevity of solid rock salt and abrasives like sand. Use 1/3 gallon/1,000 sq. ft. Adjust dilution depending on requirement.

### Pictograms:



**Signal Word:**  
WARNING

### Personal Protective Equipment Required:



### Dilution Chart:

Temperatures	Product	Water
-60°F	1	0
-30°F	7	1
-10°F	3	1
+10°F	1	1
+20°F	1	2




# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2966	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	LIQUID MEAN GREEN	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Liquid Ice Melt	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Eye Irritation: Category 2A: H319 Full Text of H Statements: See Section 16	<b>SIGNAL WORD:</b> <b>WARNING</b>	<b>SYMBOL:</b>	
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**HAZARD STATEMENTS:**  
Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS:**  
**Preventions:** Wash thoroughly after handling. Wear eye protection.  
**Response:** 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.

**HAZARDS NOT OTHERWISE SPECIFIED:**  
No additional information available.

**UNKNOWN ACUTE TOXICITY:**  
Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT	CLASSIFICATION (GHS-US_
Calcium chloride	10043-52-4	20-30	Eye Irritant: 2A, H319

Full text of H-phrases: See Section 16.  
*A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

## 4. First Aid Measures

**EMERGENCY OVERVIEW**

**GENERAL:** If you feel unwell, seek medical advice (show the label where possible).

**EYES:** Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**SKIN:** Rinse skin with water/shower.

**INHALATION:**  
Remove the victim into fresh air.

**INGESTION:**  
Rinse mouth with water. Do NOT induce vomiting.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:**  
**Symptoms/injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.  
**Symptoms/injuries after inhalation:** None under normal use.  
**Symptoms/injuries after skin contact:** Contact during a long period may cause light irritation.  
**Symptoms/injuries after eye contact:** Causes serious eye irritation.  
**Symptoms/injuries after ingestion:** Gastrointestinal complaints.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED:**  
Treat symptomatically.

## 5. Fire Fighting Measures

**SUITABLE FIRE EXTINGUISHING MEDIA:**  
All extinguishing media allowed.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**  
Reactivity: Avoid contact with methyl vinyl ether, sulfuric acid, zinc. This product may react with oxidizing agents.

**SPECIFIC FIRE-FIGHTING METHODS:**  
Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. Do not enter fire area without proper protective equipment, including respiratory protection.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**  
Standard protective clothing and equipment (self-contained breathing apparatus) for firefighters. Use self-contained breathing apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

## 6. Accidental Release Measures

**GENERAL MEASURES:**  
Isolate from fire, if possible, without unnecessary risk.

**Nonemergency Personnel:**  
Protective Equipment: Protective goggles. Gloves. Protective clothing.

Emergency Procedures: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

**Emergency Responders:**

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Stop release. Ventilate area.

**ENVIRONMENTAL PRECAUTIONS:**

Avoid release to the environment. Prevent entry to sewers and public waters.

**METHODS & MATERIAL FOR CONTAINMENT AND CLEANUP:**

For Containment: Contain released substance, pump into suitable containers.

Methods for Cleanup: This material and its container must be disposed of in a safe way and as per local legislation.

**REFERENCE TO OTHER SECTIONS:**

No additional information available.

**7. Handling and Storage**

**SAFE HANDLING:**

Precautions for Safe Handling: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing.

Hygiene Measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

**SAFE STORAGE & INCOMPATIBILITIES:**

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use.

Incompatible Products: Strong acids. Strong oxidizing agents.

Incompatible Materials: Heat sources. Open flame.

Storage Area: Meet the legal requirements. Store in a cool area. Store in a dry area.

Special Rules on Packaging: Meet the legal requirements.

**8. Exposure Controls / Personal Protection**

**CONTROL PARAMETERS:**

No additional information available.

**APPROPRIATE ENGINEERING CONTROLS:**

Ensure good ventilation of the workstation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT:**

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective clothing.



**9. Physical & Chemical Properties**

<b>Appearance:</b>	Blue-green. Clear to hazy liquid.	<b>Flammability(solid/gas):</b>	No data available.
<b>Physical State:</b>	Liquid.	<b>Explosion Limits:</b>	No data available.
<b>Odor:</b>	Mild.	<b>Explosive Properties:</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Oxidizing Properties:</b>	No data available.
<b>pH:</b>	9 - 10	<b>Vapor Pressure:</b>	No data available.
<b>Melting Point:</b>	No data available.	<b>Relative Density:</b>	No data available.
<b>Freezing Point:</b>	No data available.	<b>Solubility (water):</b>	Soluble in water.
<b>Log Pow:</b>	No data available.	<b>Auto Ignition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.	<b>Decomposition Temperature:</b>	No data available.
<b>Specific Gravity/Density::</b>	1.2 g/ml	<b>Relative Vapor Density @ 20°C:</b>	No data available.
<b>Boiling Point:</b>	No data available.	<b>Log Kow:</b>	No data available.
<b>Flash Point:</b>	>200°F. Closed cup.	<b>Viscosity (kinematic):</b>	No data available.
<b>Relative Evaporation Rate (butyl acetate=1):</b>	No data available.	<b>Viscosity (dynamic):</b>	No data available.
<b>VOC Content:</b>	0%		

**10. Stability & Reactivity Information**

**REACTIVITY:**

Avoid contact with: Methyl vinyl ether, sulfuric acid and zinc. This product may react with oxidizing agents.

**CHEMICAL STABILITY:**

Stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

Refer to Section 10 on Reactivity.

**INCOMPATIBLE MATERIALS:**

Zinc. Oxidizing agents.

**CONDITIONS TO AVOID:**

No additional information available.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological Information**

**ACUTE TOXICITY:**

Not classified.

**SKIN CORROSION/IRRITATION:**

Not classified.

pH: 9 - 10

**SERIOUS EYE DAMAGE/IRRITATION:**

Causes serious eye irritation.

pH: 9 - 10

**RESPIRATORY OR SKIN SENSITIZATION:**

Not classified.

**GERM CELL MUTAGENICITY:**

Not classified.

**CARCINOGENICITY:**

Not classified.

**REPRODUCTIVE TOXICITY:**

Not classified.

**SPECIFIC TARGET ORGAN TOXICITY (single exposure):**

Not classified.

**SPECIFIC TARGET ORGAN TOXICITY (repeated exposure):**

Not classified.

**ASPIRATION HAZARD:**

Not classified.

**Symptoms/injuries after inhalation:**

None under normal use.

**Symptoms/injuries after skin contact:**

Contact during a long period may cause light irritation.

**Symptoms/injuries after eye contact:**

Causes serious eye irritation.

**Symptoms/injuries after ingestion:**

Gastrointestinal complaints.

**12. Ecological Information****TOXICITY:**

No additional information available.

**PERSISTENCE AND DEGRADABILITY:**

No additional information available.

**BIOACCUMULATIVE POTENTIAL:**

No additional information available.

**13. Disposal Consideration**

Dispose in a safe manner in accordance with local/national regulations.

**14. Transportation Information****DOT:** Not regulated for transport.**ADR:** No additional information available.**TRANSPORT BY SEA:**

No additional information available.

**AIR TRANSPORT:**

No additional information available.

**15. Regulatory Information**

ALL COMPONENTS OF THIS PRODUCT ARE LISTED OR EXCLUDED FROM LISTING ON THE United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**California Proposition 65:**

This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

**16. Other Information****TRAINING ADVICE:**

Normal use of this product shall imply use in accordance with the instructions on the packaging.

**FULL TEXT OF H-PHRASES:**

H319: Causes serious eye irritation.

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.

**DESCRIPTION**

LIQUID MEAN GREEN is the economical way to stay ahead of winter storms to ensure safe transit of pedestrian and vehicle traffic. When used as a pre-treatment, LIQUID MEAN GREEN will prevent the bonding of snow and ice to pavement and other surfaces which will make mechanical clearing much more efficient. With efficacy down to -60°F, LIQUID MEAN GREEN is also extremely effective at melting already present snow and ice on a multitude of surfaces.

LIQUID MEAN GREEN may also be used in warmer weather to help control dust on gravel roads. By absorbing moisture from the air, it helps to keep dust down.

**SUMMER DIRECTIONS:**

Use 0.25 - 0.45 gallons per square yard to suppress dust on gravel and dirt roads. This use rate will draw moisture from the air to keep road surfaces constantly damp, even in arid environments. The moisture creates a hard and compact road surface, and because it penetrates into the road base, it will also contribute to road stability. By depressing the freezing point of the moisture in the road surface, it will help minimize frost heave damage in the winter.

**WINTER DIRECTIONS:****USAGE AND APPLICATION RATES:**

1) ACCELERATOR - Significantly improves the performance and longevity of solid rock salt and abrasives like sand. Application: 0.5 Gallons/1000 square feet. Adjust dilution depending on requirement.

2) ANTI-ICER/PRE-WETTER - Spray on pavement before precipitation begins.

Application: 0.5 Gallons/ 1000 square feet. Adjust dilution depending on requirement.

3) DEICER - Effective deicer when applied on top of snow and ice. On glazed ice it may be necessary to score the surface in several places before applying to allow penetration and to prevent run-off. More than one application may be necessary in extreme conditions. Recommended Application: Near 32° F on thin ice use 1.0 - 2.0 gallons/1000 square feet. Less than 10° F use 3.0 - 6.0 gallons/1000 square feet.

**DILUTION RATIO**

TEMPERATURE	PRODUCT	WATER
-60° F	1	0
-30° F	7	1
-10° F	3	1
+10° F	1	1
+20° F	1	2



# LIQUID MEAN GREEN

**FAST AND EASY TO USE**

- IMPROVES PERFORMANCE AND LONGEVITY OF SOLID ROCK SALT AND SAND WHEN APPLIED PRIOR TO THEIR USE
- FOR USE ON PARKING LOTS, ROADWAYS, SIDEWALKS, OR OTHER FOOT TRAFFIC AREAS
  - EFFECTIVE IN TEMPERATURES OF -60°F
- USE IN SUMMER MONTHS TO CONTROL DUST ON GRAVEL ROADS

## WARNING

Causes serious eye irritation.

**KEEP OUT OF REACH OF CHILDREN**

NET CONTENTS: 5 GALLONS

Wash thoroughly after handling. Wear eye protection.  
**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.

**DISPOSAL**

Offer empty container for recycling. If recycling is not available, discard container in trash.

**NFPA® RATINGS:** Health: 1; Flammability: 0; Reactivity: 0

**CONTAINS/CAS NUMBER:** Water/7732-18-5; Calcium Chloride/10043-52-4; Potassium Chloride/7447-40-7; Sodium Chloride/7647-14-5; Acid Blue 9/3844-45-9



Please Recycle.

For industrial and commercial use only.  
 For additional information, see Safety Data Sheet.

As with all deicers, use only on properly placed and cured concrete. Do not use on porous or improperly cured concrete or concrete less than one year old. The cycle of freezing and thawing by natural weather elements can cause damage to concrete. The use of an ice melt increases these cycles and are factors over which we have no control. Use of deicers on porous brick, mortar joints, flagstone and pre-cast or pre-stressed concrete is not recommended. All deicers can be harmful when applied directly to trees, shrubs, flower beds or grass. Remove any melted ice, snow and slush from vegetation area. Ice melting agents that are applied at much greater rates than recommended may interfere with tracking or footing, and may cause tracking indoors. Use of this ice melter is at the consumer's risk.

Product Code 2966



An Exclusive Product of:

**Pro Chem, Inc.**

1475 Bluegrass Lakes Parkway

Alpharetta, GA 30004

800-241-8180 | [www.procheminc.com](http://www.procheminc.com)