



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2486	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	SALT OFF	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Ice Melt Rinse Additive	<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> Skin Corrosion: Category 1C H314 Full text of H-phrases: see Section 16	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>	
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**HAZARD STATEMENTS:**  
Causes severe skin burns and eye damage.

**PRECAUTIONARY STATEMENTS:**

**Prevention:**  
Do not breathe mist, spray.  
Wash thoroughly after handling.  
Wear eye protection, face protection, protective clothing, protective gloves.

**Response:**  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a doctor, a POISON CENTER.  
Specific treatment (see First aid measures on this label).  
Wash contaminated clothing before reuse.

**Storage:** Store locked up.  
**Disposal:** Dispose of contents/container to comply with local/regional/national/international regulations.

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

**UNKNOWN ACUTE TOXICITY (GHS US):**  
Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT	CLASSIFICATION (GHS-US_
sulfamic acid	5329-14-6	3.0-7.0	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

## 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 for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**SKIN:** Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

**INHALATION:**  
Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**INGESTION:**  
Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

**Symptoms/injuries:** Causes severe skin burns and eye damage.  
**Symptoms/injuries after inhalation:** May cause respiratory irritation.  
**Symptoms/injuries after skin contact:** Caustic burns/corrosion of the skin.  
**Symptoms/injuries after eye contact:** Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.  
**Symptoms/injuries after ingestion:** Harmful if swallowed. Burns to the gastric/intestinal mucosa.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**  
No additional information available.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

All extinguishing media allowed.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Upon combustion: CO and CO<sub>2</sub> are formed.

### 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.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. Accidental Release Measures

### GENERAL MEASURES:

Isolate from fire, if possible, without unnecessary risk.

### PERSONAL PRECAUTIONS:

#### For Non-Emergency Personnel:

Protective Equipment: Gloves. Protective goggles. Protective clothing.

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

#### For 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 AND CLEAN-UP METHODS:

Avoid release to the environment. Prevent soil and water pollution.

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

Methods for cleaning up: 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:

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. Handle and open the container with care. Wash thoroughly after handling. Wash contaminated clothing before reuse.

### SAFE STORAGE & INCOMPATIBILITIES:

**Technical Measures:** Comply with applicable regulations. Add product to water for dilution/mixture. Never add water to this product.

**Storage Conditions:** Keep container closed when not in use. Store in original container.

**Incompatible Products:** Strong acids.

**Storage Area:** Keep only in the original container. Store in a dry area. Store in a cool area.

**Special Rules on Packaging:** Meet the legal requirements.

## 8. Exposure Controls / Personal Protection

### CONTROL PARAMETERS:

No additional information available

### 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>	Clear, colorless liquid.	<b>Flammability(solid/gas):</b>	No data available.
<b>Physical State:</b>	Liquid.	<b>Explosion Limits:</b>	No data available.
<b>Odor:</b>	Cherry.	<b>Explosive Properties:</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Oxidizing Properties:</b>	No data available.
<b>pH:</b>	2	<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.
<b>Low 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:</b>	1 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.	<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>	< 0.5 %.		

## 10. Stability & Reactivity Information

### REACTIVITY:

Upon combustion: CO and CO<sub>2</sub> are formed.

### CHEMICAL STABILITY:

No additional information available.

### POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10 on Reactivity.

**INCOMPATIBLE MATERIALS:**

Strong bases.

**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.

**sulfamic acid (5329-14-6)**

LD50 oral rat 3160 mg/kg (Rat; Literature study)

LD50 dermal rat &gt; 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)

**SKIN CORROSION/IRRITATION:**

Causes severe skin burns and eye damage.

pH 2

**SERIOUS EYE DAMAGE/IRRITATION:**

Not classified.

pH: 2

**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:**

May cause respiratory irritation.

**SYMPTOMS/INJURIES AFTER SKIN CONTACT:**

Caustic burns/corrosion of the skin.

**SYMPTOMS/INJURIES AFTER EYE CONTACT:**

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

**SYMPTOMS/INJURIES AFTER INGESTION:**

Harmful if swallowed. Burns to the gastric/intestinal mucosa.

**12. Ecological Information****TOXICITY:****sulfamic acid (5329-14-6)**

LC50 fish 1 &gt; 14.2 mg/l (96 h; Pimephales promelas)

EC50 Daphnia 1 1.6 mg/l (48 h; Daphnia magna; GLP)

EC50 other aquatic organisms 1 &gt;= 1000 mg/l (16 h; Pseudomonas putida)

LC50 fish 2 70.3 mg/l (96 h; Pimephales promelas)

Threshold limit algae 1 48 mg/l (72 h; Desmodesmus subspicatus; GLP)

**PERSISTENCE AND DEGRADABILITY:****sulfamic acid (5329-14-6)****Biodegradability:** Not applicable. Biodegradability in soil: not applicable. No (test) data on mobility of the substance available.**Biochemical oxygen demand (BOD):** Not applicable.**Chemical oxygen demand (COD):** Not applicable.**ThOD:** Not applicable.**BOD (% of ThOD):** Not applicable.**BIOACCUMULATIVE POTENTIAL:****sulfamic acid (5329-14-6)****Log Pow:** 0.10 (Experimental value)**Bioaccumulative potential:** Low potential for bioaccumulation (Log Kow < 4).**13. Disposal Consideration**

Waste Disposal Recommendations: Dispose in a safe manner in accordance with local/national regulations.

**14. Transportation Information****Department of Transportation (DOT)**

Transport document description : UN2967 Sulfamic acid solution, 8, III

UN-No.(DOT) : UN2967

Proper Shipping Name (DOT) : Sulfamic acid solution

Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT) : 8 – Corrosive

Packing group (DOT): III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx): 213

DOT Packaging Bulk (49 CFR 173.xxx): 240



DOT Special Provisions (49 CFR 172.102): IB8,IP3,T1,TP33  
DOT Packaging Exceptions (49 CFR 173.xxx): 154  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 25 kg  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 100 kg  
DOT Vessel Stowage Location : A

**ADDITIONAL INFORMATION:**

No supplementary information available.

**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 contains, or may contain, trace quantities of a substance(s) 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:**

Eye Irrit. 2A Serious eye damage/eye irritation Category 2A

Skin Corr. 1C Skin corrosion/irritation Category 1C

Skin Irrit. 2 Skin corrosion/irritation Category 2

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

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.