



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2553	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	NICKEL SHINE	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Ice Machine Cleaner	<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> <b>Health:</b> Eye Corrosion, Category 1 Skin Corrosion, Category 1C <b>Environmental:</b> Corrosive to Metals <b>GHS LABEL:</b> This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>		
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### HAZARD STATEMENTS:

H314: Causes severe skin burns and eye damage.  
H290: May be corrosive to metals.

### PRECAUTIONARY STATEMENTS:

**Prevention:** P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
P264: Wash face, hands and any exposed skin thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Storage:** P405: Store locked up.

**Disposal:** P501: Dispose of contents/container to an approved waste disposal plant.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Phosphoric Acid	7664-38-2	30 - 60
1,2,3-propanetricarboxylic Acid, 2-hydroxy-	77-92-9	3 - 7

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or Poison Control Center immediately if irritation persists.

**SKIN:** Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. Call a POISON CENTER or doctor / physician. Remove and wash contaminated clothing before reuse.

**INHALATION:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center if you feel unwell.

**INGESTION:** Rinse mouth. Do NOT induce vomiting. Call a physician or Poison Control Center.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

In a fire or if heated, a pressure increase will occur and the container may burst.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

### SMALL SPILL:

No action should be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate, put on appropriate personal protective equipment.

### LARGE SPILL:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, watercourses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated adsorbent material may pose the same hazard as the spilled product.

## 7. Handling and Storage

### SAFE HANDLING:

Ensure adequate ventilation. Wear personal protective equipment as required based on a risk assessment. Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

### SAFE STORAGE & INCOMPATIBILITIES:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food or drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines

#### OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Phosphoric Acid	TWA	1	1	1	NL	NL
	STEL		3		NL	NL

### PERSONAL PROTECTIVE EQUIPMENT:



**Eye/Face Protection:** If splashes are likely to occur, wear: Tightly fitting safety goggles and face shield.

**Skin Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**General Hygiene Considerations:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. Physical & Chemical Properties

<b>Appearance:</b>	Milky white liquid.	<b>Flammability Limit-lower (%):</b>	No data available.
<b>Physical State:</b>	Liquid.	<b>Flammability Limit-upper (%):</b>	No data available.
<b>Color:</b>	Not applicable.	<b>Vapor Density:</b>	Not available.
<b>Odor:</b>	Typical.	<b>Vapor Pressure:</b>	Not available.
<b>Odor Threshold:</b>	No data available.	<b>Solubility (water):</b>	Complete.
<b>pH:</b>	< 1.	<b>Auto-Ignition Temp:</b>	No data available.
<b>Evaporation Rate:</b>	Not available.	<b>Decomposition Temp:</b>	No data available.
<b>Melting/Freezing Point:</b>	< (32°F).	<b>Specific Gravity:</b>	Not available.
<b>Flash Point &amp; Method:</b>	Not available.	<b>Thermal Decomposition:</b>	Not available.

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Specific Gravity
Phosphoric Acid	11	22	33	44

## 10. Stability & Reactivity Information

### STABLE:

Yes.

### CHEMICAL STABILITY:

Stable under recommended storage conditions.

### CONDITIONS TO AVOID:

Chlorine liberating material. Do not mix with bases, ammonia or other cleaning compounds.

### INCOMPATIBLE MATERIALS:

Strong alkalis, strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and acid mist.

## 11. Toxicological Information

### PRIMARY ROUTE OF ENTRY:

**Eyes:** Causes severe burns, stinging, redness, tearing, swelling and may cause corneal damage and blindness. Burning may not be immediately painful or visible.

**Skin:** Causes burns to all living tissue.

### CARCINOGENICITY:

Chemical Name	General Toxicity
Phosphoric Acid	Not known.

## 12. Ecological Information

### ECOTOXICITY:

Not established.

**BIOACCUMULATIVE POTENTIAL:**

None expected.

**13. Disposal Consideration****DISPOSAL INSTRUCTIONS:**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**CONTAMINATED PACKAGING:**

Do not reuse empty containers.

**14. Transportation Information**

**DOT:** **UN Number:** UN1760.  
**UN Proper Shipping Name:** Corrosive Liquid, N.O.S.  
**Technical Name:** (Contains: Phosphoric Acid).  
**Transport Hazard Class(es):**  
**Class:** 8.  
**Subsidiary risk:** -  
**Label(s):** Corrosive.  
**Packing Group:** III

**OTHER SHIPPING INFORMATION:**

All products offered for domestic ground transportation that meet the following exceptions for Class 8 (Corrosive Materials) will be packaged and shipped as "Limited Qty".

- (1) For Corrosive Materials in Packing Group II, inner packaging not over 1.0 L (0.3 Gallon) net capacity each for liquids or not over 1.0 kg (2.2 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs. or less.
- (2) For Corrosive Materials in Packing Group III, inner packaging not over 5.0 L (1.3 Gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.

**15. Regulatory Information****US FEDERAL REGULATIONS:****CERCLA Hazardous Substance List (40 CFR 302.4):**

Chemical Name	Wt%	CERCLA RQ
Phosphoric Acid	30-60	5,000

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):**

Chemical Name	CAS
Phosphoric Acid	7664-38-2
1,2,3-propanetricarboxylic Acid, 2-hydroxy-	77-92-9

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):****Hazard categories:**

Immediate Hazard – Yes.  
 Delayed Hazard – No.  
 Fire Hazard – No.  
 Pressure Hazard – No.  
 Reactivity Hazard – No.

**16. Other Information****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.