



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	3905	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	SLO-GEL	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Air Conditioning Condensate Pan Treatment For Large Units Up To 7.5 Tons	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: PHYSICAL HAZARDS: Not classified. ENVIRONMENTAL HAZARDS: Not classified. OSHA DEFINED HAZARDS: Not classified. Acute toxicity, oral: Category 4 Skin corrosion/irritation: Category 1B Serious eye damage/eye irritation: Category 1	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:

Harmful if swallowed. Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

Prevention: Do not breathe dust.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If swallowed: Call a poison center/doctor if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Specific treatment (see this label).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

SUPPLEMENTAL INFORMATION:

0.36% of the mixture consists of component(s) of unknown acute oral toxicity.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Urea	57-13-6	55
Benzyl-C12-18-alkyldimethyl ammonium chlorides	68391-01-5	28.8

4. First Aid Measures

EMERGENCY OVERVIEW

WARNING: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SKIN: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

INHALATION:

If inhaled: Remove person to fresh air and keep comfortable for breathing.

INGESTION:

If swallowed: Rinse mouth. Do NOT induce vomiting.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED.

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray. Fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

UNSUITABLE FIRE EXTINGUISHING MEDIA:

None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

During fire, gases hazardous to health may be formed.

SPECIFIC FIRE-FIGHTING METHODS:

In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

GENERAL FIRE HAZARDS:

No unusual fire or explosion hazards noted.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during cleanup. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see Section 13 of the SDS. Avoid discharge into drains, watercourses or onto the ground.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink, or smoke. Wash hands thoroughly after handling.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store locked up. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls / Personal Protection

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

COMPONENTS	TYPE	VALUE	FORM
Urea (CAS 57-13-6)	TWA	10 mg/m ₃	Total particulate.

BIOLOGICAL LIMIT VALUES:

No biological exposure limits noted for the ingredient(s).

ENGINEERING CONTROLS:

Good general ventilation (typically 10 air changes per hour) should be used. 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. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product. Provide eyewash station.

PERSONAL PROTECTIVE EQUIPMENT



EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN PROTECTION: Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.

THERMAL HAZARDS: Wear appropriate thermal protective clothing, when necessary.

GENERAL HYGIENE CONSIDERATIONS: When using, do not eat, drink, or smoke. Wash hands after handling and before eating.

9. Physical & Chemical Properties

Appearance:	Solid	Flash Point:	Not available.
Physical State:	Solid	Flammability Limit – lower (%):	Not available.
Form:	Solid until mixed with water to form gel	Flammability Limit – upper (%):	Not available.
Color:	Various	Explosive Limit – lower (%):	Not available.
Odor:	Fresh	Explosive Limit – upper (%):	Not available.
Odor Threshold:	Not available.	Flammability:	Not applicable.
pH:	Not available.	Vapor Density:	Not available.
Melting/Freezing Point:	Not available.	Relative Density:	Not available.
Boiling Point/Range:	Not available.	Solubility (ies):	100%
Partition Coeff (n-octanol/water):	Not available.	Auto-Ignition Temperature:	Not available.
Viscosity:	Not available.	Decomposition Temperature:	Not available.
Specific Gravity:	0.981	Pour Point:	Not available.
Evaporation Rate:	Not available.	Vapor Pressure:	Not available.

10. Stability & Reactivity Information

REACTIVITY:

Do not mix with other chemicals.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reaction known under conditions of normal use.

CHEMICAL STABILITY:

Material is stable under normal conditions.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

CONDITIONS TO AVOID:

Contact with incompatible materials.

DECOMPOSITION PRODUCTS:

May include and are not limited to: Hydrogen chloride. Ammonia.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY: Ingestion, inhalation, skin contact, eye contact.

ACUTE/POTENTIAL HEALTH EFFECTS: Harmful if swallowed.

EYES: Causes serious eye damage.

SKIN: Causes severe skin burns.

INHALATION: Prolonged inhalation may be harmful. May cause irritation to the respiratory system.

INGESTION: Harmful if swallowed.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY VALUES:

Harmful if swallowed.

COMPONENTS	SPECIES	TEST RESULTS
Benzyl-C12-18-alkyldimethyl ammonium chlorides (CAS 68391-01-5)		
Acute		
<i>Dermal</i>		
LD50	Rat	2000 mg/kg 1420 mg/kg
<i>Inhalation</i>		
LC50	Not available.	
<i>Oral</i>		
LD50	Mouse Rat	150 mg/kg 240 mg/kg
Urea (CAS 57-13-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	21000 mg/kg
<i>Inhalation</i>		
LC50	Not available.	
<i>Oral</i>		
LD50	Cattle Mouse Rat Sheep	510 mg/kg 11000 mg/kg 8471 mg/kg 510 mg/kg

SKIN CORROSION/IRRITATION: Causes severe skin burns and eye damage.

Exposure minutes: Not available.

Erythema value: Not available.

Oedema value: Not available.

SERIOUS EYE DAMAGE/EYE IRRITATION: Causes serious eye damage.

Corneal opacity value: Not available.

Iris lesion value: Not available.

Conjunctival reddening value: Not available.

Conjunctival oedema value: Not available.

Recover days: Not available.

RESPIRATORY SENSITIZATION:

Not available.

SKIN SENSITIZATION:

Not applicable.

GERM CELL MUTAGENICITY:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY:

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

REPRODUCTIVE TOXICITY:

This product is not expected to cause reproductive or developmental effects.

SPECIFIC TARGET ORGAN TOXICITY - single exposure:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY - repeated exposure:

Not classified.

ASPIRATION HAZARD:

Not available.
CHRONIC EFFECTS:
 Prolonged inhalation may be harmful.
FURTHER INFORMATION:
 Not available.

12. Ecological Information

ECOTOXICITY: COMPONENTS	See below	SPECIES	TEST RESULTS
Urea (CAS 57-13-6)			
Crustacea	EC50	Daphnia	10000 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3910 mg/l, 48 hours
Fish	LC50	Giant gourami (Colisa fasciata)	5 mg/l, 96 hours

PERSISTENCE AND DEGRADABILITY:
 No data is available on the degradability of this product.
BIOACCUMULATIVE POTENTIAL: No data available.
Partition coefficient n-octanol / water (log Kow)
 Urea -2.11
MOBILITY IN SOIL:
 No data available.
MOBILITY IN GENERAL:
 Not available.
OTHER ADVERSE EFFECTS:
 No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:
 Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
LOCAL DISPOSAL REGULATIONS:
 Dispose in accordance with all applicable regulations.
HAZARDOUS WASTE CODE:
 The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
WASTE FROM RESIDUES/UNUSED PRODUCTS:
 Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
CONTAMINATED PACKAGING:
 Empty containers should be taken to an approved waste-handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transportation Information

US DEPARTMENT OF TRANSPORTATION (DOT)
Basic shipping requirements:
UN NUMBER: UN1759
UN PROPER SHIPPING NAME: Corrosive solids, n.o.s. (Benzyl-C12-18-alkyldimethyl ammonium chlorides), MARINE POLLUTANT.
TRANSPORT HAZARD CLASS(ES)
HAZARD CLASS: Limited Quantity-US
PACKING GROUP: III
MARINE POLLUTANT: Yes
SPECIAL PROVISIONS: 128, IB8, IP3, T1, TP33
PACKAGING EXCEPTIONS: 154
Transportation of Dangerous Goods (TDG - Canada)
Basic shipping requirements:
UN NUMBER: UN1759
UN PROPER SHIPPING NAME: CORROSIVE SOLID, N.O.S. (Benzyl-C12-18-alkyldimethyl ammonium chlorides)
HAZARD CLASS: Limited Quantity – Canada
PACKING GROUP: III
MARINE POLLUTANT: D
SPECIAL PROVISIONS: 16
IATA/ICAO (Air)
Basic shipping requirements:
UN NUMBER: UN1759
UN PROPER SHIPPING NAME: Corrosive solid, n.o.s. (Benzyl-C12-18-alkyldimethyl ammonium chlorides)
TRANSPORT HAZARD CLASS(ES)
Class: Limited Quantity – IATA
PACKING GROUP: III
IMDG: **UN NUMBER:** UN1759
UN PROPER SHIPPING NAME: CORROSIVE SOLID, N.O.S. (Benzyl-C12-18-alkyldimethyl ammonium chlorides), MARINE POLLUTANT
TRANSPORT HAZARD CLASS(ES)
Class: Limited Quantity - US
PACKING GROUP: III

ENVIRONMENTAL HAZARDS:

Marine pollutant: Yes

EmS: F-A, S-B

DOT/IMDG/TDG



IATA

**15. Regulatory Information****US FEDERAL REGULATIONS:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed.**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed.**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.

SARA 302 Extremely hazardous substance: No.**SARA 311/312 Hazardous chemical:** No.**SARA 313 (TRI reporting):** Not regulated.**OTHER FEDERAL REGULATIONS****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.**Safe Drinking Water Act (SDWA):** Not regulated.**Food and Drug Administration (FDA):** Not regulated.**US STATE REGULATIONS:** See below:**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance:** Not listed.**US - Minnesota Haz Subs: Listed substance:**

Urea (CAS 57-13-6) Listed.

US - Texas Effects Screening Levels: Listed substance:

Benzyl-C12-18-alkyldimethyl ammonium chlorides (CAS 68391-01-5): Listed.

Urea (CAS 57-13-6): Listed.

US. Massachusetts RTK - Substance List: Not regulated.**US. Pennsylvania RTK - Hazardous Substances:** Not regulated.**US. Rhode Island RTK:** Not regulated.

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other Information**N/A = Not Applicable; N/D = Not Determined**

NFPA	Health Hazards: 2	Flammability: 0	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: 2	Flammability: 0	Physical hazards: 0	Personal protection: X

Legend:

Severe: 4; Serious: 3; Moderate: 2; Slight: 1; Minimal: 0

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.