



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2953	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	TOTAL FOAM	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Concentrated Foaming Condenser Coil Cleaner	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Skin Corrosive: Category 1B Eye Damage: Category 1 Corrosive to Metals	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:
Severe skin burns and eye damage. May be corrosive to metals.
This product contains the following percentage of chemicals of unknown toxicity: 3%

PRECAUTIONARY STATEMENTS:
Do not breathe mists. Wash hands/gloves thoroughly after handling. Wear protective gloves, eye protection, protective clothing. IF SWALLOWED: rinse mouth, do NOT induce vomiting. 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. Immediately call a poison control center. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

STORAGE:
Store locked up. Keep only in original container. Store in a corrosive resistant container.

DISPOSAL:
Dispose of contents and container in accordance with local and national guidelines. Absorb spillage to prevent material damage.

HAZARDS NOT OTHERWISE SPECIFIED:
Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Sodium hydroxide	1310-73-2	15-40
Sodium gluconate	527-07-1	1-5

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: 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 or attention.

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

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

INGESTION:
If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical attention.

ACUTE HEALTH HAZARDS:
Causes severe burns.

CHRONIC HEALTH HAZARDS:
Skin disorders, drying and irritation of the skin.

NOTE TO PHYSICIAN:
The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:
Use appropriate media for surrounding fire.

UNSUITABLE FIRE EXTINGUISHING MEDIA:
Not applicable.

UNUSUAL FIRE & EXPLOSION HAZARDS:
Non-combustible. Water spray may be used to keep fire-exposed containers cool.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
Wear NIOSH approved Self-Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:
Refer to Section 8 for proper Personal Protective Equipment.

SPILL: Absorb with non-combustible material like vermiculite, sand, or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state, and federal regulations.

7. Handling and Storage

HANDLING AND STORAGE:

Store in a cool, dry area away from extremes of temperature. Keep container tightly sealed when not in use. Keep out of the reach of children. Store locked up.

INCOMPATIBILITY:

Strong acids.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	ACGIH TLV	OSHA PEL
Sodium Hydroxide	2 mg/m3	2 mg/m3
Sodium Gluconate	Not established	Not established

PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Safety glasses.

SKIN PROTECTION: Gloves and synthetic apron. Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

ENGINEERING CONTROLS:

Provide adequate ventilation to keep vapor concentration below TLV.

9. Physical & Chemical Properties

APPEARANCE:	Yellow liquid.	FLAMMABILITY:	Not considered a flammable liquid by OSHA (29CFR 1910.1200)
ODOR:	Characteristic odor.	Flammability Limit-lower (%):	Not determined.
ODOR THRESHOLD:	Not determined.	Flammability Limit-upper (%):	Not determined.
pH:	>13	FLASH POINT:	Not determined.
FREEZING POINT:	< 32°F (0°C)	VAPOR PRESSURE(mm Hg):	23.8 mm Hg @ 77°F (25°C)
BOILING POINT:	Not determined.	VOC:	0%
PARTITION COEFFICIENT: n-octanol/water(Kow):	Not determined.	EVAPORATION RATE:	< 0.8 (Slow)
VISCOSITY:	Not determined.	SOLUBILITY (water):	100%
SPECIFIC GRAVITY (H2O=1):	1.26	AUTO-IGNITION TEMP:	Not determined.
SOLIDS (%):	Not determined.	DECOMPOSITION TEMP:	Not determined.
VOLATILITY INCLUDING WATER (%):	76%	VAPOR DENSITY (AIR=1):	1
DIELECTRIC STRENGTH (Volts)	Not applicable.		

10. Stability & Reactivity Information

REACTIVITY:

Chemically active metals and acids.

CHEMICAL STABILITY:

Stable.

INCOMPATIBLE MATERIALS:

Strong acids.

CONDITIONS TO AVOID:

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

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Oxides of carbon.

POSSIBLE HAZARDOUS REACTIONS:

Will not occur.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Sodium Hydroxide (1310-73-2) LD50 (Oral, Rabbit) 400 mg/kg

Potassium Hydroxide (7732-18-5) LD50 (Dermal, Rabbit) > 2 g/kg, LD50 (Oral, Rabbit) 500-700 mg/kg

ROUTES OF ENTRY:

Eyes, ingestion, inhalation, skin.

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

INGESTION: Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps.

INHALATION: Causes irritation to the respiratory tract, coughing, shortness of breath.

SKIN: Causes burns to all living tissue.

MEDICAL CONDITION AGGRAVATED:

Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS:

Causes severe burns.

CHRONIC HEALTH HAZARDS:

Skin disorders, drying and irritation of the skin.

CARCINOGENICITY:

OSHA: No.
 ACGIH: No.
 NTP: No.
 IARC: No.
 OTHER: No.

12. Ecological Information**ECOLOGICAL INFORMATION:**

Sodium Hydroxide (1310-73-2) LC50 (Bluegill Sunfish, 48 hr) 99 mg/L; (Mosquito Fish 96 hr) 125 mg/L; (Brown Shrimp, 48 hr) 30-100 mg/L; (Brook Trout, 24 hr) 25 ppm
Potassium Hydroxide (1310-58-3) LC50 (Mosquito Fish, 24 hr) 80 mg/L

BIODEGRADABILITY:

This product is biodegradable.

BIOACCUMULATION:

This product is not expected to bioaccumulate.

SOIL MOBILITY:

This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS:

None known.

13. Disposal Consideration

Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

14. Transportation Information

DOT: **PROPER SHIPPING NAME:** Caustic alkali liquid, n.o.s.
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN 1719
PACKAGING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Caustic alkali liquid, n.o.s.
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN 1719

SHIPPING BY WATER:

VESSEL (IMO/MDG)
PROPER SHIPPING NAME: Caustic alkali liquid, n.o.s.
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN 1719
ENVIRONMENTAL HAZARDS WATER: N/A

15. Regulatory Information**TSCA STATUS:**

All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Sodium Hydroxide (1310-73-2). Reportable Quantity = 1,000 lbs

SARA 313 REPORTABLE INGREDIENTS:

None.

STATE REGULATIONS:

California Proposition 65: None

INTERNATIONAL REGULATIONS:

All components are listed or exempted.

RCRA STATUS:

Product should be fully characterized prior to disposal (40 CFR 261).

16. Other Information

N/A = Not Applicable; N/D = Not Determined

NFPA	Health Hazards: 3	Flammability: 0	Instability: 1	Physical & Chemical Properties: None
HMIS	Health Hazards: 3	Flammability: 0	Physical hazards: 1	Personal protection: C

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.