



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:

Causes 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:

Prevention: Do not breathe mists. Wash hands/gloves thoroughly after handling. Wear protective gloves, eye protection, protective clothing.

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. 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 available.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Sodium hydroxide	1310-73-2	10-30
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 available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

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.

METHODS & MATERIALS FOR CONTAINMENT & CLEAN-UP:

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

SAFE HANDLING:

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.

INCOMPATIBILITIES:

Strong acids.

8. Exposure Controls / Personal Protection

Hazardous Ingredient	OSHA PEL	ACGIH TLV
Sodium Hydroxide	2 mg/m ³	2 mg/m ³
Sodium Gluconate	Not established.	Not established.

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses.

Skin Protection: Gloves and synthetic apron.

Respiratory Protection: Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

General Hygiene Considerations: Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

ENGINEERING CONTROLS:

Provide adequate ventilation to keep vapor concentration below TLV.

9. Physical & Chemical Properties

Appearance:	Yellow liquid.	Flammability(solid/gas):	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	Volatility including water (%):	76%
Freezing Point:	<32°F (0°C)	Volatile Organic Compounds:	0%
Boiling Point:	Not determined.	Vapor Density (AIR=1):	1
Dielectric Strength:	Not available.	Vapor Pressure:	23.8 mmHg @ 77°F (25°C)
Flash Point:	Not determined.	Solubility (water):	100%
Specific Gravity:	1.26	Auto-Ignition Temp:	Not determined.
Evaporation Rate:	<0.8 (slow)	Decomposition Temp:	Not determined.
Viscosity:	Not determined.	Partition Coeff (n-octanol/water):	Not determined.
Solids:	Not determined.		

10. Stability & Reactivity Information

REACTIVITY:

Chemically active metals and acids.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur.

INCOMPATIBLE MATERIALS:

Strong acids.

CONDITIONS TO AVOID:

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

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon.

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

PRIMARY ROUTE 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.

Skin: Causes burns to all living tissue.

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

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

MEDICAL CONDITION AGGRAVATED:

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

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

WASTE DISPOSAL:

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.

RCRA STATUS:

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

14. Transportation Information

DOT

UN Number: UN1719

UN Proper Shipping Name: Caustic alkali liquid, n.o.s.

Transport Hazard Class(es):

Class: 8

Packing Group: II

AIR SHIPMENT:

UN Number: UN1719

UN Proper Shipping Name: Caustic alkali liquid, n.o.s.

Transport Hazard Class(es):

Class: 8

Packing Group: II

SHIPPING BY WATER:

Vessel (IMO/IMDG)

UN Number: UN1719

UN Proper Shipping Name: Caustic alkali liquid, n.o.s.

Transport Hazard Class(es):

Class: 8

Packing Group: II

Environmental Hazards by Water: Not available.

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.

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:

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