




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	3405	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	RED HOT	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Granular Sewer Solvent	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Skin corrosion: Category 1 Eye Damage: Category 1 Corrosive to metals	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:
Keep out of reach of children.
Read label and SDS before use.
Causes severe skin burns and eye damage.
May be corrosive to metals.

PRECAUTIONARY STATEMENTS:
Prevention:
Wear protective gloves, face mask, splash proof goggles and other protective clothing.
Do not breathe dusts.
Wash hands and face thoroughly after handling.
Keep only in original container.
Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water/shower. Wash contaminated clothing before reuse.
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 or a physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a poison center or a physician.
Absorb spillage to prevent material damage.
Storage:
Store locked up.
Store in corrosive resistant plastic container.
Disposal: Dispose of contents and container in accordance with all local, regional and national regulations.

HAZARDS NOT OTHERWISE SPECIFIED:
Reacts with water to generate heat and fumes.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Sodium hydroxide	1310-73-2	60 - 70
Sodium nitrate	7631-99-4	5 - 15
Aluminum granules	7429-90-5	1 - 10

4. First Aid Measures

EMERGENCY OVERVIEW
DANGER: Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.
EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or a physician.
SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water/shower. If skin irritation persists, get medical attention.
INHALATION:
Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or a doctor.
INGESTION:
Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use large amounts of water, fog, or foam.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Reacts with water to generate heat and fumes. Using large amounts of water will suppress the reaction.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Carbon dioxide, carbon monoxide, ammonia.

SPECIFIC FIRE-FIGHTING METHODS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Keep away from combustibles (wood, paper, oil, etc.) Personal Precautions: Put on appropriate personal protective equipment (see Section 8).

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Prevent runoff from entering drains, sewers, streams or other bodies of water. Sweep up and transfer contaminated product, soil and other materials to containers for disposal. Keep away from combustibles (wood, paper, oil, etc.). Reacts with water to generate heat and fumes. If water is used for cleanup, use large quantities until areas flushed.

7. Handling and Storage

Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Avoid breathing dusts. Keep out of reach of children. Keep containers tightly closed.

8. Exposure Controls / Personal Protection

Sodium Hydroxide (1310-73-2):

ACGIH TLV 2 mg/m³

OSHA PEL 2 mg/m³

Aluminum granules (7429-90-5):

ACGIH TLV 15 mg/m³

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Wear impervious gloves (made from rubber, nitrile, or neoprene), clothing, and boots.

Respiratory Protection: When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation required.

9. Physical & Chemical Properties

Appearance:	Solid granules.	Explosive Limit Ranges:	Not available.
Physical State:	Solid granules.	Explosive Properties:	Not available.
Color:	Red/purple.	VOC Content (Wt. %):	0.5
Odor:	Slight solvent.	Oxidizing Properties:	Not available.
Odor Threshold:	Not available.	Vapor Density:	Not available.
pH:	12-13	Vapor Pressure:	Not available.
Melting/Freezing Point:	Not available.	Relative Density:	Not applicable.
Boiling Point:	Not available.	Solubility (water):	Complete.
Viscosity:	Not available.	Auto-Ignition Temperature:	Not available.
Flash Point:	None.	Decomposition Temperature:	Not available.
Evaporation Rate:	Not available.	Partition Coeff:	Not available.

10. Stability & Reactivity Information

REACTIVITY:

Under normal conditions of storage and use, hazardous reactions will not occur.

CHEMICAL STABILITY:

Stable under normal conditions.

INCOMPATIBLE MATERIALS:

Acids and strong oxidizers.

CONDITIONS TO AVOID:

High temperatures, contact with moisture.

DECOMPOSITION PRODUCTS:

CO, CO₂, H₂, ammonia.

Reacts with water to generate heat and fumes (ammonia).

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:

Skin contact, eye contact and inhalation.

EYES: Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

SKIN: Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling and possible tissue destruction.

INHALATION: Excessive exposure to dusts may irritate the mucous membranes and upper respiratory tract.

INGESTION: May be harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat and stomach.

CHRONIC/LONG TERM EFFECTS:

None known.

TARGET ORGAN EFFECTS:

Lungs and upper respiratory tract, gastrointestinal tract, eyes, skin.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION:

No data.

CARCINOGENIC INFORMATION:

This material is not listed as a carcinogen by IARC, NTP or OSHA.

ACUTE TOXICITY VALUES:

Sodium hydroxide: Oral - LD50, rat 300-500 mg/Kg

12. Ecological Information

Sodium hydroxide: Fish LC50, Mosquitofish (*Gambusia affinis affinis*), 125 mg/l, 96 hr.

13. Disposal Consideration

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

14. Transportation Information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN number: 1823

Proper shipping name: Sodium Hydroxide, Solid mixture

Class: 8

Packing group: II

15. Regulatory Information

CERCLA RQ (40 CFR 302)

Sodium Hydroxide **1000 lbs**

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

Title III Section 311/312

Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic () Fire () Pressure () Reactive (X) Not Applicable ()

T.S.C.A. Status:

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

RCRA Status:

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA

Code(s):

None.

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.