



SAFETY DATA SHEET

1. Product and Company Identification

| | | | |
|-----------------------------|---|-----------------------------|----------------|
| PRODUCT NUMBER: | 2406 | COMPANY PHONE: | 1-800-241-8180 |
| PRODUCT NAME: | DRAIN FREE | EMERGENCY TELEPHONE: | 1-800-241-8180 |
| PRODUCT DESCRIPTION: | Alkaline liquid drain opener. | INFOTRAC: | 1-800-535-5053 |
| COMPANY INFORMATION: | PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004 | | |

2. Hazards Identification

| | | | |
|--|--------------------------------------|----------------|--|
| GHS CLASSIFICATION: Acute Toxicity - Oral Category 4 Skin corrosion/irritation Category 1 Serious eye damage/eye irritation Category 1 Corrosive to metals Category 1 | SIGNAL WORD: DANGER | SYMBOL: | |
|--|--------------------------------------|----------------|--|

HAZARD STATEMENTS:

Harmful if swallowed.
Causes severe skin burns and eye damage.
May be corrosive to metals.

PRECAUTIONARY STATEMENTS:

Prevention:

Keep only in original container.
Wash face, hands, and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapors/spray.
Do not eat, drink, or smoke when using this product.

Response:

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 doctor/physician.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.
IN CASE OF SPILL: Absorb spillage to prevent material damage.

Storage:

Store locked up. Store in corrosive resistant container with a resistant innerliner.

Disposal:

Dispose of contents/container in accordance with local, regional, and/or national regulation.

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

3. Composition / Information on Ingredients

| CHEMICAL NAME | CAS | Concentration % by Weight |
|---------------------|-----------|---------------------------|
| Water | 7732-18-5 | 40-70 |
| Sodium Hydroxide | 1310-73-2 | 15-40 |
| Potassium Hydroxide | 1310-58-3 | 7-13 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

SKIN: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if necessary.

INGESTION:

Never give anything by mouth to an unconscious person. Clean mouth with water and drink, afterwards, plenty of water. Get medical advice/attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS:

Causes serious eye damage. Causes skin burns. Prolonged or repeated exposure can remove natural skin oils and may produce irritation.

INDICATIONS OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically. May aggravate pre-existing skin disorders and pulmonary diseases.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray (fog). Carbon dioxide (CO₂). Water. Foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Heat is liberated when this product is mixed with water, which can result in splattering or dangerous mists.

HAZARDOUS COMBUSTION PRODUCTS:

Normal products of combustion.

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

PERSONAL PRECAUTIONS:

Wear protective clothing as described in Section 8 of this safety datasheet.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, ecological information. See Section 13, disposal considerations, for additional information. See Section 12 for additional ecological information. Prevent from spreading or entering drains, ditches, or rivers by using sand, earth, or other appropriate barriers. Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes, or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray.

CONDITIONS FOR SAFE STORAGE:

Keep container tightly closed and store in a cool, dry, and well-ventilated place. Protect from freezing. Keep out of the reach of children. Store locked up away from strong oxidants, acids, metals, and food.

INCOMPATIBILITIES:

Strong oxidants, acids, and metals.

8. Exposure Controls / Personal Protection

| CHEMICAL NAME | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------|-----------|--------------------------|------------|
| Sodium Hydroxide 1310-73-2 | - | TWA: 2 mg/m ³ | - |

PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Use chemical splash goggles or glasses as necessary to prevent contact.

SKIN PROTECTION: Chemical resistant, impermeable gloves. Wear suitable protective clothing.

RESPIRATORY PROTECTION: Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

GENERAL HYGIENE CONSIDERATIONS: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

ENGINEERING CONTROLS:

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. Eyewash stations. Showers.

9. Physical & Chemical Properties

| | | | |
|---|-----------------|--------------------------------------|---------------------------------|
| APPEARANCE: | | FLAMMABILITY(solid/gas): | Liquid-not applicable. |
| Physical State: | Clear liquid. | Flammability Limit-lower (%): | Not applicable. |
| Color: | Colorless. | Flammability Limit-upper (%): | Not applicable. |
| ODOR: | None. | EXPLOSIVE PROPERTIES: | Not an explosive. |
| ODOR THRESHOLD: | Not determined. | EVAPORATION RATE: | Not determined. |
| pH: | 12.5-13.0 | VAPOR PRESSURE: | Not determined. |
| MELTING/FREEZING POINT: | Not determined. | VAPOR DENSITY: | Not determined. |
| BOILING POINT/RANGE: | Not determined. | OXIDIZING PROPERTIES: | Not determined. |
| PARTITION COEFFICIENT (n-octanol/water): | Not determined. | SOLUBILITY(water): | Completely soluble @25°C(77°F). |
| VISCOSITY(kinematic/dynamic): | Not determined. | AUTO-IGNITION TEMP: | Not determined. |
| SPECIFIC GRAVITY: | 1.53 | DECOMPOSITION TEMP: | Not determined. |
| FLASH POINT: | Not applicable. | SOLUBILITY(other solvents): | Not determined. |
| OXIDIZING PROPERTIES: | Not determined. | | |

10. Stability & Reactivity Information

REACTIVITY:

Not reactive under normal conditions.

CHEMICAL STABILITY:

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing.

HAZARDOUS POLYMERIZATION:

Hazardous polymerization does not occur.

INCOMPATIBLE MATERIALS:

Reacts with water, generating heat. Reacts violently with acids. Attacks many plastics, rubber, coatings, and metals (such as aluminum, zinc, tin, and lead). Reacts with ammonium salts. Incompatible with nitrogen containing organics, chlorinated alkenes, carbohydrates, phosphorus, explosives, organic peroxides, and per sulfates. Absorbs carbon dioxide and water from the air.

CONDITIONS TO AVOID:

Keep out of reach of children. Isolate from extreme heat and open flame. Keep from freezing.

DECOMPOSITION PRODUCTS:

Thermal decomposition can produce potassium oxide, sodium oxide, sodium hydroxide, hydrogen chloride, and phosgene. Carbon monoxide can be produced when mixed with carbohydrates and chloroacetylene when mixed with chlorinated alkenes and heat.

11. Toxicological Information**PRIMARY ROUTE OF ENTRY:**

Eye, skin, inhalation, ingestion.

ACUTE/POTENTIAL HEALTH EFFECTS:**EYES:** Causes serious eye damage.**SKIN:** Causes skin burns.**INHALATION:** Avoid breathing vapors or mists.**INGESTION:** May be harmful if swallowed.**COMPONENT INFORMATION:**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------|------------------------|----------------------|-----------------|
| Sodium Hydroxide 1310-73-2 | = 500 mg/kg (Rabbit) | - | - |
| Potassium Hydroxide 1310-58-3 | = 600 mg/kg (Rat) | >2000 mg/kg (Rabbit) | - |

INFORMATION ON PHYSICAL, CHEMICAL, AND TOXICOLOGICAL EFFECTS:**SYMPTOMS:** Please see Section 4 of this SDS for symptoms.**DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE****SENSITIZATION:** None known.**CARCINOGENICITY:** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Group 3 IARC components are "not classifiable as human carcinogens."

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
| None known | | | | |

None known

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

NUMERICAL MEASURES OF TOXICITY:

Not determined.

12. Ecological Information**ECOTOXICITY:**

None known.

COMPONENT INFORMATION:

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-------------------------------|----------------------|--|----------------------------|-----------|
| Sodium Hydroxide 1310-73-2 | - | 125 mg/L 96hr (fresh water): mosquito fish | - | - |
| Potassium Hydroxide 1310-58-3 | - | 80 mg/L 96hr: mosquito fish | - | - |

PERSISTENCE/DEGRADABILITY:

Not determined.

BIOACCUMULATION:

Not determined.

MOBILITY:

Not determined.

OTHER ADVERSE EFFECTS:

Not determined.

13. Disposal Consideration**DISPOSAL OF WASTES:**

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

CONTAMINATED PACKAGING:

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. Transportation Information

NOTE: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT: Gallon containers or Larger: UN3266, Corrosive Liquid, Basic, Inorganic, NOS (Containing Sodium Hydroxide and Potassium Hydroxide), 8, PGI. Quart Bottles or Smaller: Consumer Commodity ORM-D or Limited Quantity

15. Regulatory Information

INTERNATIONAL INVENTORIES:

TSCA: Listed.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US FEDERAL REGULATIONS

CERCLA: This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR302).

| Chemical Name | Hazardous Substances | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|-------------------------------|----------------------|----------------|--------------------------|
| Sodium Hydroxide 1310-73-2 | 1000 lb | | RQ 1000 lb |
| Potassium Hydroxide 1310-58-3 | 1000 lb | | RQ 1000 lb |

SARA 311/312 HAZARD CATEGORIES:

Acute Health Hazard: Yes.

Reactive Hazard: Yes.

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|------------------|-----------|----------|-------------------------------|
| Sodium Hydroxide | 1310-73-2 | 15-40 | |

CWA (CLEAN WATER ACT): This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------|-----------------------------|------------------------|---------------------------|----------------------------|
| None known | | | | |

US STATE REGULATIONS

California Proposition 65: This product does not contain any Proposition 65 chemicals.

US STATE RIGHT-TO-KNOW REGULATIONS:

| Chemical Name | State List |
|--|--|
| None known | |
| AZ- Arizona Ambient Air Quality Guidelines | IL- Illinois Toxic Air Contaminant-Carcinogenic |
| CT- Connecticut Hazardous Air Pollutants | MA- Massachusetts Right to Know List |
| CA- California Director's List of Hazardous Substances | MN- Minnesota Hazardous Substances List CAP65- California Prop65 |
| NJ- New Jersey Right to Know List | FL- Florida Substances List |
| PA- Pennsylvania Right to Know List | ID- Idaho Non-Carcinogen Toxic Air Pollutants |
| RI- Rhode Island Hazardous Substances List | |

16. Other Information

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

| | | | | |
|-------------|---------------------|-------------------|---------------------|-------------------------------------|
| NFPA | Health Hazards: N/D | Flammability: N/D | Instability: N/D | Physical & Chemical Properties: N/D |
| HMIS | Health Hazards: 3 | Flammability: 0 | Physical hazards: 0 | Personal protection: N/D |

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.