






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2810	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	UREABOR	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Granular, Non-Selective Residential Weed & Grass Killer	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Acute toxicity 4 (Oral) Serious eye damage 1 Reproductive toxicity 2 (developmental)	SIGNAL WORD: DANGER	SYMBOL:			
--	--------------------------------------	----------------	--	---	---

HAZARD STATEMENTS:

Harmful if swallowed. Causes serious eye damage. Suspected of damaging the unborn child.

PRECAUTIONARY STATEMENTS:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF EXPOSED OR CONCERNED: Get medical advice/attention. IF SWALLOWED: Call a poison center/doctor if you feel unwell.

Rinse mouth. 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:

No additional information available.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Sodium metaborate	7775-19-1	30-60
Sodium chlorate	7775-09-9	15-40
Bromacil	314-40-9	1-5

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

SKIN: If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.

INHALATION:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

INGESTION:

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting, and cracking of the skin.

Symptoms/injuries after eye contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea, or vomiting.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Treat for surrounding material. Flood with water.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Smothering type extinguishers are not effective.

FIRE HAZARDS:

Products of combustion may include, and are not limited to: oxides of carbon. Sodium chlorate will decompose at 570 °F and supply oxygen to the fire.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Keep upwind of fire. Wear full firefighting turnout gear (full Bunker gear) and respiratory protection (SCBA).

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

METHODS & MATERIALS FOR CONTAINMENT & CLEAN-UP:

Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Vacuum or sweep material and place in a disposal container. Provide ventilation.

REFERENCE TO OTHER SECTIONS:

See Section 8 for further information on protective clothing and equipment and Section 13 for advice on waste disposal.

7. Handling and Storage

SAFE HANDLING:

Avoid contact with skin and eyes. Avoid breathing dust. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

SAFE STORAGE & INCOMPATIBILITIES:

Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool area. Do not store on wood floors.

SPECIFIC END USES:

Not available.

8. Exposure Controls / Personal Protection

Sodium metaborate (7775-19-1)

ACGIH: ACGIH TWA (mg/m³) 10 mg/m³ (nuisance dust)

OSHA: Not applicable.

Sodium chlorate (7775-09-9)

ACGIH: Not applicable.

OSHA: Not applicable.

Bromacil (314-40-9)

ACGIH: ACGIH TWA (mg/m³) 10 mg/m³

OSHA: Not applicable.

PERSONAL PROTECTIVE EQUIPMENT:



EYE/FACE PROTECTION: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

SKIN PROTECTION: Wear suitable gloves. Wear suitable protective clothing.

RESPIRATORY PROTECTION: A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded.

ENVIRONMENTAL EXPOSURE CONTROLS: Maintain levels below community environmental protection thresholds.

GENERAL HYGIENE CONSIDERATIONS: Do not eat, smoke, or drink where material is handled, processed, or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

ENGINEERING CONTROLS:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical & Chemical Properties

Appearance:		Flammability(solid/gas):	Not flammable.
Physical State:	Solid.	Oxidizing Properties:	No data available.
Form:	Pellets.	Explosive Limits:	No data available.
Color:	White/gray.	Explosive Properties:	No data available.
Odor:	No data available.	Vapor Pressure:	Negligible.
Odor Threshold:	No data available.	Relative Density:	No data available.
pH:	No data available.	Solubility (water):	Water: > 2 lbs/gal @ 20 °C (68 °F)
Melting/Freezing Point:	No data available.	Auto-Ignition Temperature:	No data available.
Boiling Point:	No data available.	Decomposition Temperature:	No data available.
Viscosity:	No data available.	Partition Coeff (n-octanol/water):	No data available.
Flash Point:	No data available.	Log Kow:	No data available.
Viscosity (kinematic/dynamic):	No data available.		

10. Stability & Reactivity Information

REACTIVITY:

No dangerous reaction known under conditions of normal use.

CHEMICAL STABILITY:

Stable under normal storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reaction known under conditions of normal use.

INCOMPATIBLE MATERIALS:

Strong acids. Strong bases.

CONDITIONS TO AVOID:

Heat. Incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

May include, and are not limited to, oxides of carbon.

11. Toxicological Information

ACUTE TOXICITY:

Harmful if swallowed.

UREABOR:

LD50 oral rat: >300 but ≤2000 mg/kg (calculated using ATE values)

LD50 dermal rabbit: > 2000 mg/kg

LC50 inhalation rat: > 5 mg/l/4h

Sodium metaborate (7775-19-1)

LD50 oral rat: 2330 mg/kg

Sodium chlorate (7775-09-9)

LD50 oral rat: 1200 mg/kg

LD50 dermal rabbit: > 10000 mg/kg

LC50 inhalation rat: > 28 g/m³/1h

Bromacil (314-40-9)

LD50 oral rat: 641 mg/kg

LD50 dermal rat: >2000 mg/kg

LD50 dermal rabbit: 5000 mg/kg

LC50 inhalation rat: > 4.2 mg/l/4h

SKIN CORROSION/IRRITATION:

Based on available data, the classification criteria are not met.

SERIOUS EYE DAMAGE/EYE IRRITATION:

Causes serious eye damage.

RESPIRATORY OR SKIN SENSITIZATION:

Based on available data, the classification criteria are not met.

GERM CELL MUTAGENICITY:

Based on available data, the classification criteria are not met.

CARCINOGENICITY:

Based on available data, the classification criteria are not met.

Sodium chlorate (7775-09-9)

NATIONAL TOXICOLOGY PROGRAM (NTP) STATUS: 1 - Evidence of Carcinogenicity

REPRODUCTIVE TOXICITY:

Suspected of damaging the unborn child.

SPECIFIC TARGET ORGAN TOXICITY -single exposure:

Based on available data, the classification criteria are not met.

SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

Based on available data, the classification criteria are not met.

ASPIRATION HAZARD:

Based on available data, the classification criteria are not met.

SYMPTOMS/INJURIES AFTER INHALATION:

May cause respiratory tract irritation.

SYMPTOMS/INJURIES AFTER SKIN CONTACT:

May cause skin irritation. Symptoms may include redness, drying, defatting, and cracking of the skin.

SYMPTOMS/INJURIES AFTER EYE CONTACT:

Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

SYMPTOMS/INJURIES AFTER INGESTION:

Harmful if swallowed. May cause stomach distress, nausea, or vomiting.

12. Ecological Information

ECOLOGY:

May cause long-term adverse effects in the aquatic environment.

PERSISTENCE AND DEGRADABILITY:

Not established.

BIOACCUMULATIVE POTENTIAL:

Not established.

MOBILITY IN SOIL:

No additional information available.

EFFECT ON GLOBAL WARMING:

No known ecological damage caused by this product.

13. Disposal Consideration

This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

14. Transportation Information

DEPARTMENT OF TRANSPORTATION (DOT)

In accordance with DOT, not regulated for transport.

OTHER INFORMATION:

No supplementary information available.

SPECIAL TRANSPORT PRECAUTIONS:

Do not handle until all safety precautions have been read and understood.

15. Regulatory Information

US FEDERAL REGULATIONS:

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Bromacil CAS No 314-40-9: Listed on United States SARA Section 313.

SARA Section 313 - Emission Reporting: 1.0 %.

US STATE REGULATIONS:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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.