

SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	3869	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	WEED PRO	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Non-selective Granular Weed Killer	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Carcinogenicity 1A	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:

May cause cancer.

PRECAUTIONARY STATEMENTS:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear eye protection, protective clothing, protective gloves.

Response: IF EXPOSED OR CONCERNED: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container to comply with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

UNKNOWN ACUTE TOXICITY:

Not applicable.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight	Classification (GHS-US)
Bromacil	314-40-9	1.0-5.0	Eye Irrit. 2A, H319
Crystalline Silica	14808-60-7	0.05-5.0	Carc. 1A, H350
Distillates (petroleum), hydrotreated middle, Gasoil – unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).	64742-46-7	1.0-5.0	Asp. Tox. 1, H304

4. First Aid Measures

EMERGENCY OVERVIEW:

EYES: Direct contact with the eyes is likely irritating.

SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.

INHALATION:

Get medical advice/attention. Remove person to fresh air and keep comfortable for breathing.

INGESTION:

Rinse mouth with water. Do NOT induce vomiting.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms after skin contact: Slight irritation.

Symptoms after eye contact: Direct contact with eyes is likely irritating.

Symptoms/injuries after ingestion: No data available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Not additional information available.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray. Carbon dioxide. Dry chemical powder.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

On burning: release of toxic and corrosive gases/vapors (nitrous vapors, sulphur oxides, carbon monoxide - carbon dioxide). If the product is involved in a fire, it can release toxic chlorine gases. Reacts violently with (strong) oxidizers.

SPECIFIC FIRE-FIGHTING METHODS:

Exercise caution when fighting any chemical fire. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter fire area without proper protective equipment, including respiratory charges.

6. Accidental Release Measures

GENERAL MEASURES:

Remove ignition sources. Use special care to avoid static electric charges.

PERSONAL PRECAUTIONS:

For Non-emergency Personnel:

Protective Equipment: Protective goggles. Gloves. Protective clothing.
Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Stop leak if safe to do so. Stop release. Ventilate area.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Prevent entry to sewers and public waters.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

For Containment: Collect spillage.

Methods for Cleanup: This material and its container must be disposed of in a safe way and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

REFERENCE TO OTHER SECTIONS:

No additional information available.

7. Handling and Storage

SAFE HANDLING:

Comply with legal requirements. Do not handle until all safety precautions have been read and understood. Do not breathe vapors. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Handle and open the container with care. Keep away from sources of ignition. No smoking. Take precautions against electrostatic charges. Obtain special instructions before use. Remove contaminated clothing immediately.

Hygiene Measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

SAFE STORAGE & INCOMPATIBILITIES:

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place away from sparks, open flames, excessive heat.

Storage Area: Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.

Special Rules on Packaging: Keep only in original container. Meet the legal requirements.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

Bromacil (314-40-9)

ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
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PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses.

Skin Protection: Gloves. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

9. Physical & Chemical Properties

Appearance:	Grey granules.	Flammability(solid/gas):	No data available.
Physical State:	Solid.	Explosive Limits:	No data available.
Odor:	Mild odor.	Explosive Properties:	No data available.
Odor Threshold:	No data available.	Vapor Pressure:	No data available.
pH:	No data available.	Relative Density:	No data available.
Melting/Freezing Point:	No data available.	Relative Vapor Density at 20°C:	No data available.
Boiling Point:	No data available.	Solubility (water):	Soluble.
Viscosity:	No data available.	Auto-Ignition Temp:	No data available.
Flash Point:	No data available.	Decomposition Temp:	No data available.
Viscosity, Kinematic:	No data available.	Relative Evaporation Rate (Butyl Acetate=1):	No data available.
Viscosity, Dynamic:	No data available.	Oxidizing Properties:	No data available.
Log Pow:	No data available.	Log Kow:	No data available.

10. Stability & Reactivity Information

REACTIVITY:

On burning: release of toxic and corrosive gases/vapors (nitrous vapors, sulphur oxides, carbon monoxide – carbon dioxide). If the product is involved in a fire, it can release toxic chlorine gases. Reacts violently with (strong) oxidizers.

CHEMICAL STABILITY:

Combustible liquid. Stable under normal conditions. Risk of explosion if heated under confinement. Heating may cause fire or explosion.

POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10 on Reactivity.

CONDITIONS TO AVOID:

No additional information available.

INCOMPATIBLE MATERIALS:

Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:Thermal decomposition produces: CO, CO₂, oxides of nitrogen and other potentially toxic fumes.**11. Toxicological Information****PRIMARY ROUTE OF ENTRY:****Eyes:** Direct contact with the eyes is likely irritating.**Skin:** Slight irritation.**Inhalation:** May cause respiratory irritation.**Ingestion:** No data available.**ACUTE TOXICITY:**

Not classified.

Components	Species	Test Results
Bromacil (314-40-9)		
Acute		
<i>Dermal</i>		
LD50	Rat	>2500 mg/kg
	Rabbit	>5000 mg/kg
<i>Inhalation</i>		
LC50	Rat	>4.8 mg/l/4h
<i>Oral</i>		
LD50	Rat	5200 mg/kg
ATE CLP		
<i>Oral</i>		5200.000 mg/kg body weight

SKIN CORROSION/IRRITATION:

Not classified.

SERIOUS EYE DAMAGE/EYE IRRITATION:

Not classified.

RESPIRATORY SENSITIZATION:

Not classified.

SKIN SENSITIZATION:

Not classified.

GERM CELL MUTAGENICITY:

Not classified.

CARCINOGENICITY:

May cause cancer.

Crystalline Silicia (14808-60-7)

IARC group 1-Carcinogenic to Humans

REPRODUCTIVE TOXICITY:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -single exposure:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

Not classified.

ASPIRATION HAZARD:

Not classified.

12. Ecological Information**ECOTOXICITY:**

Components	Species	Test Results
Bromacil (314-40-9)		
Aquatic		
Fish 1	LC50	Salmo gairdneri (Oncorhynchus mykiss)
		75 mg/l 48 h
Fish 2	LC50	Leuciscus idus
		71 mg/l 48 h
Threshold limit other aquatic organisms 1		Pimephales promelas; Chronic
		1 mg/1

PERSISTENCE AND DEGRADABILITY:

Bromacil (314-40-9): Not readily biodegradable in water. Non degradable in the soil. Photodegradation in the air.

BIOACCUMULATIVE POTENTIAL:

Components	Species	Test Results
Bromacil (314-40-9)		
Aquatic		
BCF fish 1	Leuciscus idus; Fresh weight	2.8 – 26.5 (672 h)
BCF fish 2	Pimephales promelas; Fresh weight	4.25 (388 h)
Log Pow		2.11
Bioaccumulative potential	Low potential for bioaccumulation	(BCF<500)

13. Disposal Consideration

Dispose of contents/container to comply with local/regional/national regulations.

14. Transportation Information

DOT: Not regulated for transport.

IATA: Not regulated for transport.

IMDG: Not regulated for transport.

ADR: Not regulated for transport.

ADDITIONAL INFORMATION:

No supplementary information available.

15. Regulatory Information

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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:

Bromacil CAS No 314-40-9 1.0 -5.0

Bromacil (314-40-9): Listed on SARA Section 313 (Specific toxic chemical listings).

California Proposition 65 – This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductively toxicity.

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION: Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing of dust.

16. Other Information

TRAINING ADVICE:

Normal use of this product shall imply use in accordance with the instructions on the packaging.

FULL TEXT OF H-PHRASES:

Asp. Tox 1: Aspiration Hazard Category 1

Carc. 1A: Carcinogenicity Category 1A

Eye Irrit. 2A: Serious eye damage/eye irritation Category 2A

H304: May be fatal if swallowed and enters airways

H319: Causes serious eye irritation

H350: May cause cancer

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.