






SAFETY DATA SHEET

1. Product and Company Identification

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|-----------------------------|---|-----------------------------|----------------|
| PRODUCT NUMBER: | 2811 | COMPANY PHONE: | 1-800-241-8180 |
| PRODUCT NAME: | WEED KILL | EMERGENCY TELEPHONE: | 1-800-241-8180 |
| PRODUCT DESCRIPTION: | Non-Selective, Total Kill Herbicide | INFOTRAC: | 1-800-535-5053 |
| COMPANY INFORMATION: | PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004 | | |

2. Hazards Identification

| | | | | | |
|---|--------------------------------------|----------------|---|---|---|
| GHS CLASSIFICATION: Flammable Liquid & Vapor: Category 3 Acute Toxicity – Dermal: Category 4 Acute Toxicity – Inhalation: Category 4 Skin Irritant: Category 2 Eye Irritant: Category 2 Germ Cell Mutagenicity: Category 2 Carcinogenicity: Category 2 Specific Target Organ Toxicity (single exposure): Category 3 Specific Target Organ Toxicity (repeated exposure): Category 2 Aspiration Toxicity: Category 1 | SIGNAL WORD: DANGER | SYMBOL: |  |  |  |
|---|--------------------------------------|----------------|---|---|---|

HAZARD STATEMENTS:

- Flammable liquid and vapor.
- May be fatal if swallowed and enters airways.
- Harmful in contact with skin or if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.
- May cause genetic defects.
- May cause cancer.
- May cause damage to organs (liver, thymus, bone marrow) through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

- Prevention:** Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, hot surfaces, open flames, sparks. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, lighting, ventilating equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe mist, spray, vapors.
- Avoid breathing mist, spray, vapors.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear eye protection, protective clothing, protective gloves.
- Response:** IF SWALLOWED: Immediately call a doctor, a POISON CENTER.
- IF ON SKIN: Wash with plenty of soap and water.
- IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF EXPOSED OR CONCERNED: Get medical advice/attention.
- Call a doctor, a POISON CENTER if you feel unwell.
- Get medical advice/attention if you feel unwell.
- Specific treatment (See First Aid measures on the label).
- Do NOT induce vomiting.
- If skin irritation occurs, get medical advice/attention.
- If eye irritation persists, get medical advice/attention.
- Take off contaminated clothing, and wash it before reuse.
- IN CASE OF FIRE: Use ABC powder, alcohol-resistant foam, carbon dioxide (CO₂) to extinguish.
- Storage:** Store in a well-ventilated place. Keep container tightly closed.
- Keep cool. Store locked up.
- Disposal:** Dispose of contents/container to hazardous or special waste collection point in accordance with local, regional, national and/or international regulation.

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) |
|---------------------------------------|------------|---------------------------|---|
| Petroleum Solvent | 68476-34-6 | 75.0 – 90.0 | Flam Liq 3, H226 Acute Tox 4 (Dermal), H312 Acute Tox 4 (Inhalation), H332 Acute Tox 4 (Inhalation: dust, mist), H332 Skin Irrit 2, H315 Carc 2, H351 STOT SE 3, H336 STOT RE 2, H373 Asp Tox 1, H304 |
| Solvesso 100 | 64742-95-6 | 7.0 – 13.0 | Flam Liq 3, H226 Muta 1B, H340 Carc 1B, H350 STOT SE 3, H336 STOT SE 3, H335 Asp Tox 1, H304 |
| Polyethylene glycol octylphenyl ether | 9036-19-5 | 3.0 – 7.0 | Skin Irrit 2, H315 Eye Irrit 2A, H319 |
| Prometon | 1610-18-0 | 3.0 – 7.0 | Acute Tox 4 (Dermal), H302 Acute Tox 4 (Inhalation), H332 Skin Irrit 2, H315 Eye Irrit 2A, H319 STOT SE 3, H335 |
| Butan-1-ol, n-butanol | 71-36-3 | 1.0 – 5.0 | Flam Liq 3, H226 Acute Tox 4 (Oral), H302 Skin Irrit 2, H315 Eye Dam 1, H318 STOT SE 3, H335 STOT SE 3, H336 |
| 2-Phenoxyethanol | 122-99-6 | 0.5 – 1.5 | Acute Tox 4 (Oral), H302 Eye Irrit 2A, H319 |
| Naphthalene | 91-20-3 | 0 – 0.242 | Flam Liq 4, H227 Acute Tox 4 (Oral), H302 Carc 1B, H350 Aquatic Acute 1, H400 |

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: If you feel unwell, seek medical advice (show the label where possible). If exposed or concerned, get medical advice/attention.

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/attention.

SKIN: Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation or rash occurs, get medical advice/attention.

INHALATION:

If breathing is difficult, 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.

INGESTION:

Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/effects: May be fatal if swallowed and enters airways. Harmful if inhaled. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects (through prolonged or repeated exposure). May cause cancer. May cause damage to organs (liver, thymus, bone marrow) through prolonged or repeated exposure.

Symptoms/effects after inhalation: Harmful if inhaled. May cause drowsiness or dizziness.

Symptoms/effects after skin contact: Causes skin irritation.

Symptoms/effects after eye contact: Causes serious eye irritation.

Symptoms/effects after ingestion: May be fatal if swallowed and enters airways.

INDICATION OF IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED:

No additional information available.

5. Firefighting Measures

SUITABLE FIRE-EXTINGUISHING MEDIA:

Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.

UNSUITABLE FIRE-EXTINGUISHING MEDIA:

Solid water jet ineffective as extinguishing medium.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Fire Hazard: Flammable liquid and vapor.

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.

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 protection.

6. Accidental Release Measures**GENERAL MEASURES:**

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

NONEMERGENCY PERSONNEL:

Protective Equipment: Protective goggles. Gloves. Protective clothing.

Emergency Procedures: Evacuate unnecessary personnel. No naked flames or sparks.

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 & MATERIAL FOR CONTAINMENT & CLEANUP:

For Containment: Contain released substance, pump into suitable containers.

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 the 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. Proper grounding procedures to avoid static electricity should be followed.

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.

Incompatible Products: Oxidizing agent.

Incompatible Materials: Sources of ignition.

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:**

Prometon (1610-80-0): Not applicable.

Solvesso 100 (64742-5-6): Not applicable.

Polyethylene glycol octylphenyl ether (9036-19-5): Not applicable.

2-Phenoxyethanol (122-99-6): Not applicable.

Butan-1-ol, n-butanol (71-36-3): Not applicable.

Petroleum Solvent (68476-34-6): Not applicable.

Naphthalene (91-20-3):

| | | |
|-------|-------------------------------------|---|
| ACGIH | ACGIH TWA (ppm) | 10 ppm |
| ACGIH | Remark (ACGIH) | Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s) or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evident does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure) |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 50 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 10 ppm |

PERSONAL PROTECTIVE EQUIPMENT:

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles. Safety glasses.

**APPROPRIATE ENGINEERING CONTROLS:**

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits.

| 9. Physical & Chemical Properties | | | |
|--|----------------------------|---------------------------------------|----------------------|
| Physical State: | Liquid. | Explosive Properties: | No data available. |
| Appearance: | Clear, red-colored liquid. | Oxidizing Properties: | No data available. |
| Odor: | Petroleum like. | Vapor Pressure: | No data available. |
| Odor Threshold: | No data available. | Relative Density: | No data available. |
| pH: | No data available. | Relative Vapor Density @ 20°C: | No data available. |
| Melting Point: | No data available. | Solubility (water): | Emulsifies in water. |
| Freezing Point: | No data available. | Log Pow: | No data available. |
| Boiling Point: | No data available. | Log Kow: | No data available. |
| Flash Point: | 123°F. | Auto Ignition Temperature: | No data available. |
| Relative Evap Rate (butyl acetate=1): | No data available. | Decomposition Temperature: | No data available. |
| Flammability(solid/gas): | No data available. | Viscosity (kinematic): | < 20 cSt |
| Explosive Limits: | No data available. | Viscosity (dynamic): | No data available. |
| Specific Gravity/Density: | 0.87 g/ml. | VOC Content: | >90%. |

| 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 a 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, CO ₂ , oxides of nitrogen and other potentially toxic fumes. |

| 11. Toxicological Information | |
|--|---|
| ACUTE TOXICITY: | Dermal: Harmful in contact with skin. Inhalation: Dust, mist: Harmful if inhaled. |
| Solvesso 100 (64742-95-6): | LD50 oral rat: >2,000 mg/kg (rat). LD50 dermal rat: >3,160 mg/kg (rabbit). |
| 2-Phenoxyethanol (122-99-6): | ATE CLP (oral): 500.000 mg/kg body weight. |
| Butan-1-ol, n-butanol (71-36-3): | ATE CLP (oral): 500.000 mg/kg body weight. |
| Petroleum Solvent (68476-34-6): | LD50 oral rat: >7,600 mg/kg LD50 dermal rat: >4,300 mg/kg LD50 inhalation rat (mg/l): 4.1 mg/l |
| Naphthalene (91-20-3): | LD50 oral rat: >1,100 mg/kg (rat). LD50 dermal rat: >2,500 mg/kg (rat). LD50 dermal rabbit: >20,000 mg/kg (rabbit). ATE CLP (oral): 500.000 mg/kg body weight |
| SKIN CORROSION/IRRITATION: | Causes skin irritation. |
| SERIOUS EYE DAMAGE/IRRITATION: | Causes serious eye irritation. |
| RESPIRATORY OR SKIN SENSITIZATION: | Not classified. |
| GERM CELL MUTAGENICITY: | May cause genetic defects. |
| CARCINOGENICITY: | May cause cancer. Naphthalene (91-20-3): IARC Group: 2B – Possibly carcinogenic to humans. National Toxicology Program (NTP) Status: 3 – Reasonably anticipated to be human carcinogen. |
| REPRODUCTIVE TOXICITY: | Not classified. |
| SPECIFIC TARGET ORGAN TOXICITY (single exposure): | May cause drowsiness or dizziness. |
| SPECIFIC TARGET ORGAN TOXICITY (repeated exposure): | May cause damage to organs (liver, thymus, bone marrow) through prolonged or repeated exposure. |
| ASPIRATION HAZARD: | May be fatal if swallowed and enters airways. |
| Symptoms/injuries after inhalation: | Harmful if inhaled. May cause drowsiness or dizziness. |
| Symptoms/injuries after skin contact: | Causes skin irritation. |

Symptoms/injuries after eye contact: Causes serious eye irritation.
Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways.
Likely Routes of Exposure: Skin and eye contact, inhalation.

12. Ecological Information

TOXICITY:

Solvesso 100 (64742-95-6):
LC50 fish 1: 18 mg/l (LC50)
EC50 Daphnia 1: 21 mg/l (EC50)
Threshold limit algae 1: 1 – 10, EC50
Naphthalene (91-20-3):
EC50 Daphnia 1: 2.16 mg/l (EC50; 48 h; Daphnia magna).
LC50 fish 2: 0.11 mg/l (LC50; 96 h; Oncorhynchus mykiss).
Threshold limit algae 1: 0.4 mg/l (EC50; 72 h; Skeletonema costatum).

PERSISTENCE AND DEGRADABILITY:

Solvesso 100 (64742-95-6): Readily biodegradable in water.
Naphthalene (91-20-3): Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Absorbs into the soil. Photolysis in the air.
Biochemical Oxygen Demand (BOD): 0 g O₂/g substance.
Chemical Oxygen Demand (COD): 0.22 g O₂/g substance.
ThOD: 2.99 g O₂/g substance.

BIOACCUMULATIVE POTENTIAL:

Solvesso 100 (64742-95-6): Log Pow: >3
Naphthalene (91-20-3): BCF Fish 1: 23 – 168 (BCF; 8 weeks; Cyprinus carpio)
Low Pog: 3.3 (Experimental value)
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: **UN Number:** UN1993
UN Proper Shipping Name: Flammable liquids, n.o.s.
Transport Document Description:
Transport Hazard Class(es):
Class: 3 – class 3 – Flammable and combustible liquid 49 CFR 173.120
Subsidiary Risk: -
Label(s): 3 – Flammable liquid.
Packaging Group: III – Minor Danger.
DOT Packaging Non Bulk (49 CFR 173.xxx): 203.
DOT Packaging Bulk (49 CFR 173.xxx): 242.
DOT Special Provisions (49 CFR 172.102): B1, B52, IB3, T4, TP1, TP29
DOT Packaging Exceptions (49 CFR 173.xxx): 150.
DOT Quantity Limitations Passenger Aircraft/rail (49 CFR 173.27): 60 L
DOT Quantity Limitations Cargo Aircraft Only (49 CFR 175.75): 220 L
DOT Vessel Stowage Location: A



ADDITIONAL INFORMATION:

Emergency Response Guide (ERG) Number: 128
Other Information: When transported by ground in non-bulk containers, this product utilizes the exception found under 49 CFR 173.150.

ADR: No additional information available.

TRANSPORT BY SEA:

No additional information available.

AIR TRANSPORT:

No additional information available.

15. Regulatory Information

All components of this product are listed, or excluded 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 (SRA) of 1986 & 40 CFR Part 372.

Butan-1-ol, n-butanol (71-36-3): 1.0 – 5.0%

Naphthalene (91-20-3): 0 – 0.242%

Butan-1-ol, n-butanol (71-36-3): Subject to reporting requirements of United States SARA Section 313.

CERCLA RQ: 5,000 lb

Naphthalene (91-20-3): Subject to reporting requirements of United States SARA Section 313.

CERCLA RQ: 100 lb

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling 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: Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

California Proposition 65: This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm.

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:

H226: Flammable liquid and vapor.

H227: Combustible liquid.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H318: Causes serious eye damage.

HDISCLAIMER:

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.