



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1804	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	KNOCK DOWN	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol Non-Selective Weed Killer	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable Aerosol: Category 1; Liquefied Gas Skin Irritant: Category 2 Eye Irritant: Category 2B Aspiration Hazard: Category 1	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:

Extremely Flammable Aerosol.
Contains gas under pressure; May explode if heated.
Causes skin and eye irritation.
May be fatal if swallowed and enters airways.
This product contains the following percentage of chemicals of unknown toxicity: 0%.

PRECAUTIONARY STATEMENTS:

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Wash hands thoroughly after handling.
Wear protective gloves.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.
IF IN 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 attention.
IF SWALLOWED: Immediately call a poison center or doctor. Do NOT induce vomiting.

Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Store in a well-ventilated place.
Store locked up.

Disposal: Dispose of contents and container in accordance with local, state, and national regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Aromatic Pet. Hydrocarbons	64742-94-5	60-100
Isopropyl Alcohol	67-63-0	1-5
Naphthalene	91-20-3	3-7
Propane/n-Butane	68476-86-8	10-30

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: If in 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 or attention.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

INHALATION:

Move to fresh air. If breathing is difficult, administer oxygen. If not breathing, administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

INGESTION:

Contact physician; do not induce vomiting unless directed by medical authority.

ACUTE HEALTH HAZARDS:

Eyes: Redness, tearing, blurred vision.

Skin: Defatting and dermatitis.

Oral: Abdominal irritation, nausea, vomiting, diarrhea, aspiration risk.

CHRONIC HEALTH HAZARDS:

None known.

NOTE TO PHYSICIAN:

There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, and alcohol foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water spray/stream.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

SPECIFIC FIRE-FIGHTING METHODS:

Use water mist to keep material cool in fire situations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Refer to Section 8 for proper personal protective equipment.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Use absorbent on spill. Sweep to clean. Dispose in accordance with local, state, and federal laws. Small releases may be wiped up with wiping material.

7. Handling and Storage

HANDLING AND STORAGE:

Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS:

Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warning and precautions listed for the product. Keep out of the reach of children.

INCOMPATIBILITY:

Some plastics.

8. Exposure Controls / Personal Protection

CHEMICAL NAME	ACGIH TLV	OSHA PEL
Aromatic Pet. Hydrocarbons	Not established.	Not established.
Isopropyl Alcohol	400 ppm	200 ppm
Naphthalene	10 ppm	10 ppm
Propane/n-Butane	1000 ppm	1000 ppm

PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Safety glasses.

SKIN PROTECTION: Chemical resistant gloves. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION: Not required with adequate ventilation.

ENGINEERING CONTROLS:

Use only outdoors or in a well-ventilated area.

9. Physical & Chemical Properties

Appearance:	Clear to hazy light brown	Flammability:	Extremely Flammable Aerosol
Flash Point:	< 100°F	Flammability Limit-lower (%):	Not available.
Evaporation Rate:	< 1	Flammability Limit-upper (%):	Not available.
Volatility Including Water(%):	99%	Solids (%):	Not determined.
Odor:	Petroleum odor	VOC:	27%
Odor Threshold;	Not determined.	Vapor Pressure (mmHg):	Not determined.
pH:	Not available.	Vapor Density(air=1):	>4
Boiling Point:	>350	Viscosity:	Not determined.
Freezing Point:	Not determined.	Solubility (water):	0%
Partition Coefficient: n-octanol/water(Kow):	Not determined.	Auto-Ignition Temp:	Not determined.
Decomposition Temperature:	Not determined.	Specific Gravity(H2O=1):	0.89
Dielectric Strength(volts):	Not determined.		

10. Stability & Reactivity Information

REACTIVITY:

If exposed to strong oxidizers, presents explosion hazard.

CHEMICAL STABILITY:

Stable.

INCOMPATIBLE MATERIALS:

Some plastics.

CONDITIONS TO AVOID:

Temperatures greater than 122°F and sources of ignition.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Oxides of carbon. Exposure to red-hot surfaces may produce carbon monoxide.

POSSIBLE HAZARDOUS REACTIONS:

None known.

11. Toxicological Information**TOXICOLOGICAL INFORMATION:**

Isopropyl Alcohol (67-63-0) LD50 (Oral, Rat) 5045 mg/kg; LD50 (Oral, Rabbit) 5045mg/kg; LD50 (Dermal, Rabbit) 12,800 mg/kg; LC50 (Inhalation, Rat, 8 hr) 16,000 ppm.

PRIMARY ROUTE OF ENTRY:

Eyes, ingestion, inhalation, skin.

ACUTE/POTENTIAL HEALTH EFFECTS:

EYES: May cause irritation, redness, itching or burning may indicate excessive exposure.

SKIN: May cause irritation, localized defatting. Redness and itching or burning sensation may indicate excessive exposure.

INHALATION: May cause dizziness, headaches; excessive or prolonged exposure may cause unconsciousness.

INGESTION: May cause gastrointestinal irritation, headaches, nausea, diarrhea.

MEDICAL CONDITION AGGRAVATED:

None known.

ACUTE HEALTH HAZARDS:

Eyes: Redness, tearing, blurred vision.

Skin: Defatting and dermatitis.

Oral: Abdominal irritation, nausea, vomiting, diarrhea, aspiration risk.

CHRONIC HEALTH HAZARDS:

None known.

CARCINOGENIC INFORMATION:

OSHA: No.

ACGIH: No.

NTP: No.

IARC: No.

OTHER: Not applicable.

12. Ecological Information**ECOLOGICAL INFORMATION:**

Isopropyl Alcohol (67-63-0) LC50 (Fathead Minnow, 96 hrs.) 100,000 mg/L. This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous aquatic organisms in water adjacent to treated areas. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. Do not contaminate water when disposing of equipment wash waters. Do not store near fertilizers, seeds, insecticides, or fungicides. Do not apply when ground is frozen. Do not apply to areas underlain by roots of desirable trees and shrubs.

BIODEGRADABILITY:

Component or components of this product are not biodegradable.

BIOACCUMULATION:

Components in this mixture can bioaccumulate in aquatic organisms.

SOIL MOBILITY:

This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS:

This material is toxic to aquatic life.

13. Disposal Consideration

Dispose of in accordance with federal, state, and local regulations. Containers may be hazardous when empty.

14. Transportation Information

DOT: **PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

ENVIRONMENTAL HAZARDS WATER: N/A

15. Regulatory Information

TSCA STATUS:

All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

None.

SARA 311/312 HAZARD CATEGORIES:

Fire Hazard.

SARA 313 REPORTABLE INGREDIENTS:

Napthalene 91-20-3.

STATE REGULATIONS:

California Proposition 65: Warning: This product contains a chemical known to the State of California to cause cancer. Napthalene CAS # 91-20-3, Illinois – RTK, Minnesota – RTK, New Jersey – RTK, Pennsylvania – RTK, Rhode Island – RTK.

INTERNATIONAL REGULATIONS:

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: Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Harmful if swallowed.

FLAMMABLE: Contents under pressure. Do not use near fire, sparks or flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

EPA Reg. No. 44446-61

RCRA Status: Waste likely considered hazardous under RCRA; however, product should be fully characterized prior to disposal (40 CFR 261).

16. Other Information

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

NFPA	Health Hazards: 2	Flammability: 3	Instability: 1	Physical & Chemical Properties: None.
HMIS	Health Hazards: 2	Flammability: 3	Physical hazards: 1	Personal protection: B

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.