

1. PRODUCT AND COMPANY IDENTIFICATION**Product Identifier**

Product Name Weed-Be-Gone

Other means of identification

Product Code 5697

Recommended use of the chemical and restrictions on use

Recommended use Weed Killer

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheetCompany Name Blue Cardinal Chemical, LLC
 3670 Scarlet Oak Blvd.
 St. Louis, MO 63122
 800-325-3312**Emergency telephone number**

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION**Classification**

Flammable Aerosol	Category 1
Liquefied Gas	
Skin Irritant	Category 2
Eye Irritant	Category 2B
Aspiration Hazard	Category 1

Label elements**Emergency Overview****DANGER****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.

**Appearance:** Clear to hazy light brown aerosol**Physical state:** Liquefied Gas**Odor:** Petroleum odor



Precautionary Statements - Prevention

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. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and safety glasses.

Precautionary Statements - Response

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.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

Other Information

- N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
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%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Skin Contact

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

Eye Contact

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.

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.

Most important symptoms and effect, both acute and delayed

Symptoms

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

Indication of any immediate medical attention and special treatment needed**Note to physicians**

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 extinguishing media

Dry chemical, carbon dioxide, and alcohol foam.

Unsuitable extinguishing media: Water spray/stream.

Unusual fire and explosion hazards

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

Protective equipment and precautions for firefighters

Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal precautions**

Refer to section VIII for proper Personal Protective Equipment.

Methods and material for containment and cleaning up**Methods for containment & cleaning up**

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

RCRA status

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

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on Safe Handling**

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.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

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.

Incompatible Materials

Some plastics

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	OSHA PEL	ACGIH TLV
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

Appropriate engineering controls

Engineering Controls Use only outdoors or in a well-ventilated area.

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses
Skin and body protection	Chemical resistant gloves
Respiratory protection	Not required with adequate ventilation
General Hygiene	Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIESInformation on basic physical and chemical properties

Physical State	Aerosol
Appearance	Clear to hazy light brown aerosol
Color	Clear to hazy light brown
Odor	Petroleum odor
Odor Threshold	N/D

Property Values

Boiling Point	>350
Freezing Point	N/D
Flammability	Extremely Flammable Aerosol
Flash Point	< 100°F
Autoignition Temperature	N/D
Lower Flammability Limit	N/A
Upper Flammability Limit	N/A
Vapor Pressure (Mm Hg)	N/D
Vapor Density (Air=1)	>4
Evaporation Rate	< 1
Specific Gravity (H₂O=1)	0.89
pH	N/A
Solids (%)	N/D
Solubility In Water	0%
Partition Coefficient	n-OCTANOL/WATER (KOW): N/D
Volatility Including Water (%)	99%
Volatile Organic Compounds (Voc)	27%
Dielectric Strength (Volts)	N/D
Decomposition Temperature	N/D
Viscosity	N/D

10. STABILITY AND REACTIVITYReactivity

If exposed to strong oxidizers, presents explosion hazard.

Chemical Stability

Stable

Possibility Of Hazardous Reactions

None Known

Conditions To Avoid

Temperatures greater than 122°F and sources of ignition.

Incompatible Materials

Some plastics

Hazardous Decomposition Products

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Eyes, Ingestion, Inhalation, Skin

Product Information

Inhalation	May cause dizziness, headaches, excessive or prolonged exposure may cause unconsciousness.
Eye Contact	May cause irritation, redness, itching or burning may indicate excessive exposure.
Skin Contact	May cause irritation, localized defatting. Redness and itching or burning sensation may indicate excessive exposure.
Ingestion	May cause gastrointestinal irritation, headaches, nausea, diarrhea.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Isopropyl Alcohol (67-63-0)	(Oral, Rat) 5045 mg/kg (Oral, Rabbit) 5045 mg/kg	(Dermal, Rabbit) 12,800 mg/kg	(Inhalation, Rat, 8hr) 16,000 ppm

Information on toxicological effects

Symptoms	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
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	OSHA: No	ACGIH: No	NTP: No	IARC: No	OTHER: N/A
<p><i>ACGIH (American Conference of Governmental Industrial Hygienists)</i> <i>A3 - Animal Carcinogen</i> <i>IARC (International Agency for Research on Cancer)</i> <i>Group 2B - Possibly Carcinogenic to Humans</i> <i>Group 3 - Not classifiable as a human carcinogen</i> <i>NTP (National Toxicology Program)</i> <i>Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen</i> <i>OSHA (Occupational Safety and Health Administration of the US Department of Labor)</i> <i>X - Present</i></p>					

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 inter-tidal 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 Adverse Effects

This material is toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Dispose of in accordance with federal, state, and local regulations. Containers may be hazardous when empty.
RCRA status	Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols, Ltd. Qty.
Hazard Class	2.1
Packing Group	N/A

AIR SHIPMENT

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols, Ltd. Qty.
Hazard Class	2.1

SHIPPING BY WATER: VESSEL (IMO/IMDG)

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols, Ltd. Qty.
Hazard Class	2.1
Environmental Hazards Water:	N/A

15. REGULATORY INFORMATION**International Inventories**

TSCA All Chemicals are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

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. 44446-61-91641

US Federal Regulations**SARA 313**

Naphthalene 91-20-3

SARA 311/312 Hazard Categories

Fire Hazard Yes

CERCLA (Comprehensive Response Compensation, and Liability Act)

None

US State Regulations**California Proposition 65**

Warning: This product contains a chemical known to the State of California to cause cancer.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Illinois	Pennsylvania	Minnesota	Rhode Island
Naphthalene Cas # 91-20-3	RTK	RTK	RTK	RTK	RTK

U.S. EPA Label Information

EPA Pesticide Registration Number No. 44446-61-91641

16. OTHER INFORMATION

NFPA	Health hazards	2	Flammability	3	Reactivity	2	Other	None
HMIS	Health hazards	2	Flammability	3	Reactivity	1	Personal protection	B

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Revision Note PREPARATION BY: Jonathon Jarvis

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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet