



Bonide Botanical KleenUp Weed & Grass Killer Concentrate

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Bonide Botanical KleenUp Weed & Grass Killer Concentrate
Product code : 67702544

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Herbicide

1.3. Details of the supplier of the safety data sheet

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424
T (315) 736-8231
www.bonide.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Eye Irrit. 2B H320

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H320 - Causes eye irritation
H303 - May be harmful if swallowed
H313 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation

Precautionary statements (GHS-US) : P280 - Wear gloves
P303+P352 - If on skin (or hair): Wash with plenty of soap and water.
P333+P311 - If skin irritation or rash occurs: Call Poison Center or doctor/physician.
P305+P351 - If on eyes: Rinse cautiously with water for several minutes.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Disposal of contents/container to hazardous to special waste collection point.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Mixture

Name	Product identifier	%	Classification (GHS-US)
Caprylic Acid	(CAS No) 124-07-2	44.00	Eye Dam. 2B, H320
Capric Acid	(CAS No) 334-48-5	36.00	Eye Irrit. 2B, H319

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Assure fresh air breathing. Allow the person to rest. Administer oxygen if breathing is difficult. Give artificial respiration if person is not breathing.

Bonide Botanical KleenUp Weed & Grass Killer Concentrate

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing eye. If eye irritation persists: Call a poison control center or doctor for treatment advice.
First-aid measures after ingestion	: Do not induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Call a poison control center or doctor immediately for treatment advice.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

Flashpoint : Will not flash.

5.1. Extinguishing media

Suitable extinguishing media : Foam. Water spray. Dry chemical.

5.2. Special hazards arising from the substance or mixture

No further relevant information available

5.3. Advice for firefighters

No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary and unprotected personnel.

6.1.2. For emergency responders

Protective equipment : Wear appropriate protective equipment. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate clothing.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Stop leak if possible if there is no risk. Absorb or cover with dry earth, sand, vermiculite or other inert absorbent material. Place contaminated material in appropriate container for disposal.

SECTION 7: Handling and storage

KEEP OUT OF REACH OF CHILDREN!

7.1. Precautions for safe handling

Precautions for safe handling : Wear appropriate safety equipment when handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container with lid tightly closed in ambient temperature and a well-ventilated place away from excessive heat. Keep away from food, feed and drinking water.

Incompatible materials : None known.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Waterproof gloves when mixing and applying product.
Eye protection : Safety goggles when mixing, loading or cleaning equipment is recommended.
Respiratory protection : Wear approved mask.
Other information : When using, do not eat, drink or smoke. Wear long-sleeved shirt and long pants, Shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Bonide Botanical KleenUp Weed & Grass Killer Concentrate

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear to yellow liquid
Color	: None
Odor	: Odor of soap
Odor threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Not determined
Flash point	: Non combustible
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Product is not flammable
Vapor pressure	: Not applicable
Relative vapor density at 20 °C	: 0.94 ± 0.1 g/mL
Solubility	: Soluble
Partition Coefficient	: Not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Exposure to excessive heat.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

CO₂, CO, NO_x

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : LD50 (oral) (rat) > 5000 mg/kg; LD50 (dermal) >5000 mg/kg

Routes of Entry

Skin: May cause severe skin irritation.

Eyes: May cause moderate to severe irritation (reversible).

Ingestion: May cause irritation.

Inhalation: Can be expected to cause irritation if fine droplets are inhaled.

11.2. Carcinogenic Categories

IARC (International Agency for Research on Cancer): Substance is not listed

NTP (National Toxicology Program): Substance is not listed

SECTION 12: Ecological information

12.1. Toxicity

No further relevant information available.

12.2. Persistence and Degradability

No further relevant information available.

12.3. Mobility in Soil

No further relevant information available.

Bonide Botanical KleenUp Weed & Grass Killer Concentrate

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.4. Other Adverse Effects

No studies have been found.

SECTION 13: Disposal considerations

13.1. Waste Treatment Methods

- Product Waste : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging Waste : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

Not regulated by DOT. No dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

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:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS-CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

SECTION 16: Other information

Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

SDS US (GHS HazCom 2012) - Pesticides

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.