

SAFETY DATA SHEET

SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® Bug Out**

PRODUCT TYPE: Liquid Bug Spatter Remover

PRODUCT CODE: C3203

MANUFACTURED FOR: Castle Products, Inc.
424 St. Paul Street
Rochester, NY 14605
(800) 876-0222
EMERGENCY (585) 275-3232

SECTION 2 HAZARDS IDENTIFICATION



GHS CLASSIFICATION: WARNING: May be harmful if swallowed or inhaled.
Keep out of reach of children.

PRECAUTIONARY STATEMENTS: Eyes: May cause irritation.
Skin: May cause irritation.
Inhalation: May be irritating to mucous membranes.
Ingestion: May be harmful if swallowed. Do not ingest.

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%
Water	7732-18-5	75-100%
Methanol	67-56-1	0-2%
2-Butoxyethanol	111-76-2	0-2%
Potassium Hydroxide	1310-58-3	0-2%

SECTION 4 FIRST AID MEASURES

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation persists.

If on skin: Take off contaminated clothing and wash it before reuse. Wash with plenty of water. Call a physician if irritation persists.

If swallowed: Rinse mouth. Call a physician if you feel unwell.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a physician if you feel unwell.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Appropriate for surrounding fire.

SPECIFIC/UNUSUAL HAZARDS: Irritating gasses may be produced which will require SCBA or a fresh air source.

SPECIAL FIRE FIGHTING EQUIPMENT and PRECAUTIONS for FIREFIGHTERS: As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.

Large Spills: A large spill is not likely to occur.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing. Wash hands after handling.

Storage: Keep from freezing. Keep containers tightly closed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: NE

Appropriate Engineering Controls: Maintain adequate local exhaust ventilation.

Individual Protective Measures - Personal Protective Equipment:

Gloves: Not normally required.

Eye/Face Protection: Eye protection not normally required but recommended.

Skin Protection: Wear clothing suited to the task being performed.

Respiratory Protection: Not normally required if good ventilation is maintained.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: Clear, Blue Liquid

ODOR: Mild Fruity Scent

ODOR THRESHOLD: ND

MELTING/FREEZING POINT: ND

BOILING POINT: 212°F (100°C)

BOILING RANGE: ND

FLASH POINT: None

LOWER EXPLOSIVE LIMIT: ND

UPPER EXPLOSIVE LIMIT: ND

FLAMMABILITY (solid, gas): ND

AUTOIGNITION TEMPERATURE: ND

EVAPORATION RATE (Butyl Acetate=1): ND

VAPOR PRESSURE: ND

VAPOR DENSITY (air=1): <1

RELATIVE DENSITY: (H₂O=1): 1.0

SOLUBILITY IN WATER: Completely Soluble

PARTITION COEFFICIENT (n-octanol/water): ND

pH: 9-10

DECOMPOSITION TEMPERATURE: ND

VISCOSITY: ND

PERCENT VOLATILE BY VOL %: >95%

CARB VOC: ND

SECTION 10 STABILITY and REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY of HAZARDOUS REACTIONS:

CONDITIONS TO AVOID:

INCOMPATIBLE MATERIALS: Strong acids or oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Oxides of Sulfur and/or Nitrogen, Hydrocarbon fumes and smoke.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: No Product data available.

Ingredient Information:

<u>Ingredient</u>	<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
Methanol	LD ₅₀ Oral	Rat	5628 mg/kg	-
	LD ₅₀ Dermal	Rabbit	15,800 mg/kg	-
	LD ₅₀ Vapor Inh.	Rat	64,000 ppm	4 hours
2- Butoxyethanol	LD ₅₀ Oral	Rat	250 mg/kg	-
	LD ₅₀ Oral	Guinea Pig	1200 mg/kg	-
	LD ₅₀ Dermal	Rabbit	220 mg/kg	-
	LD ₅₀ Dermal	Guinea Pig	>2200 mg/kg	-
	LD ₅₀ (Gas) Inh.	Rat	450 ppm	4 hours
	LD ₅₀ Vapor Inh.	Guinea Pig	633 ppm	4 hours
Potassium Hydroxide	LD ₅₀ (Oral)	Rat	273 mg/kg	-

LIKELY ROUTES of EXPOSURE: INHALATION: Yes
INGESTION: No
SKIN CONTACT: Yes
EYE CONTACT: No

SYMPTOMS:

EFFECTS OF EXPOSURE:	IMMEDIATE:	Irritation
	DELAYED:	ND
	SHORT-TERM:	ND
	LONG-TERM:	ND

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: No Data Available.

PERSISTENCE and DEGRADABILITY: ND

BIOACCUMULATIVE POTENTIAL: ND

MOBILITY in SOIL: ND

OTHER ADVERSE EFFECTS: None Known.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Considerations: Dispose according to all applicable Federal, State, and Local regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number: NA

UN Proper Shipping Name: NA

Transport Hazard Class(es): NA

Packing Group: NA

Marine Pollutant: No

Special Precautions: None Required

This product is considered Non-Hazardous in all modes of transportation. Therefore, this product does not require classification by DOT, IATA, ICAO or IMDG. .

SECTION 15 REGULATORY INFORMATION

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 16 OTHER INFORMATION

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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