

HMIS RATINGS:

Health: 1

Flammability: 4

Reactivity: 0

Personal Protection: A

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: BEAVER RESEARCH GERM BULLET 12/7 OZ CASE

Emergency Phone: 800-544-0133

Chemical Family: ALCOHOL SANITIZER

Date Prepared: 08/20/09

Company Identification: Beaver Research Co.

3700 E Kilgore Rd

Portage, MI 49002

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

CAS NUMBER	CHEMICAL NAME	% BY WGHT.	OSHA PEL/ ACGIH TLV	SARA 302/304(1)*	SARA 313 (2)*	STATE INFO (3) (4)
64-17-5	Ethanol	< 63.0	1000 ppm / 1000 ppm	NO	NO	NO
-	Propellant Mixture	-	-	-	-	-
74-98-6	Propane	-	1000 ppm	NO	NO	NO
106-97-8	N-Butane		600 ppm	NO	NO	NO

* See Section 15 for more information

n/e = none established - n/a = not applicable

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING. Flammable. Contents under pressure. Keep away from heat and flame. Avoid inhalation of concentrated vapors. Causes eye irritation. Do not puncture or incinerate container.

Primary Route of Entry: Eye contact, skin contact, inhalation

Acute/Potential Health Effects:

EYES: Causes irritation, experienced as stinging discomfort, pain, tearing or redness.

SKIN: Prolonged and continuous exposure may cause defatting and drying of skin.

INHALATION: Vapor may cause irritation of the respiratory tract. Avoid inhalation of concentrated vapors.

INGESTION: May cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, lack of coordination, abdominal discomfort, nausea, vomiting and diarrhea.

Chronic / Long Term Effects: Repeated or prolonged exposure to ethanol can be irritating to mucosal membranes.

Signs and Symptoms of Overexposure: Prolonged or repeated skin exposure may cause defatting of skin. Overexposure by inhalation may cause headache, nausea, dizziness and even loss of consciousness.

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Target Organ Effects: No data.

Reproductive/Developmental Information: No data.

Carcinogenic Information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

Section 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

SKIN: Rinse with water.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Seek medical attention immediately. Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

Section 5: FIRE FIGHTING MEASURES

Flash Point: 60 degrees F (Pensky-Martens closed cup method)

Extinguishing Media: Dry chemical, CO2, foam or water spray is recommended.

Special Fire Fighting Instructions: Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.

Section 6: ACCIDENTAL RELEASE MEASURES

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Eliminate all ignition sources. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Section 7: HANDLING AND STORAGE

Do not use or store near heat, sparks or open flame. Exposure to temperatures above 120 F may cause bursting. Do not puncture or incinerate container. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Keep out of reach of children.

Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Eye Protection: Wear safety glasses or goggles.

Skin Protection: None required

Respiratory Protection: When respiratory protection is required, use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

Engineering Controls: Good general ventilation required.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: white emulsion with pleasant fragrance
pH Concentrate: n/e
Solubility in Water: Complete
Vapor Pressure [mmHg]: n/e
Evaporation Rate (Butyl Acetate=1): n/e
Vapor Density [Air=1]: n/e
Specific Gravity [H2O=1]: 0.9
Boiling Point: > 150 F

Section 10: REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Conditions to avoid: High temperature
Hazardous Decomposition Products: CO, CO2
Incompatibility: Strong oxidizing agents, strong acids

Section 11: TOXICOLOGICAL INFORMATION

No data.

Section 12: ECOLOGICAL INFORMATION

No data.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: TRANSPORTATION INFORMATION

D.O.T. Shipping Name / Class:

Consumer Commodity, ORM-D

(Domestic Ground Shipments)

Section 15: REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (Toxic Substances Control Act): The intentional ingredients of product are listed.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire (X) Pressure () Reactive () Not Applicable ()

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

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If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s)

D001

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.

(3) California proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)

(4) Massachusetts (Hazardous Substance Disclosure by Employers)

Section 16: OTHER INFORMATION

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.
