
MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

GENERAL USE: Insect repellent
topically applied to human skin

COMMON NAME: BioUD8 Spray

MANUFACTURED BY:

HOMS
P.O. Box 724
Clayton , NC 27520
888-270-5721 for product information

EMERGENCY TELEPHONE NUMBER:

CHEMTREC : 800-424-9300 in U.S. and Canada
703-527-3887 international

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Aqueous, white liquid emulsion with mild, slight mint odor.
May cause eye irritation.

POTENTIAL HEALTH EFFECTS:

INHALATION: No adverse effects from product expected.

EYE CONTACT: Product may cause slight irritation.

SKIN CONTACT: No adverse effects from product expected.

INGESTION: No adverse effects from product expected.

CHRONIC: No adverse effects from product expected.

CARCINOGENICITY: None of the components of this product is listed by NTP, OSHA, or IARC as a carcinogen.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Product contains the following ingredients:

COMPONENT		CAS No.	%
Active ingredient	2-Undecanone	112-12-9	7.75
Inert Ingredients		N/A	92.25

4. EMERGENCY AND FIRST AID MEASURES

INHALATION: Move to fresh air. Get medical attention if symptoms occur.

SKIN CONTACT: Get medical attention if irritation develops.

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

INGESTION: Do NOT induce vomiting. Do NOT administer anything by mouth to an unconscious person. Offer water to drink. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT and METHOD: Not applicable for aqueous mixture.

EXTINGUISHING MEDIA: CO₂, dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE and EXPLOSION HAZARDS: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

GENERAL: Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill. Absorb spill with sand or earth then place in a chemical waste container.

SPECIFIC: Soak up with sand or earth. Sweep up material and dispose as waste following local regulations. Scrub contaminated area with detergent and water.

7. HANDLING and STORAGE

HANDLING: Avoid contact with eyes.

STORAGE: Store and use in a well-ventilated area. Store in cool place. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

PRODUCT	OSHA: TWA/STEL	ACGIH: TWA/STEL
BioUD8 Spray	None established	None established

ENGINEERING CONTROLS: None necessary.

PERSONAL PROTECTION:

RESPIRATORY: None necessary.

SKIN PROTECTION: None necessary.

EYE PROTECTION: Avoid contact with eyes.

OTHER: Follow application directions on product label.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: white, liquid emulsion

ODOR: slight mint

VAPOR PRESSURE: not determined

MELTING POINT: not determined

SPECIFIC GRAVITY: 0.9609 @ 20°C

BOILING POINT: ~ 100°C

SOLUBILITY in water: miscible

VISCOSITY: 53.539 cSt @ 20°C

pH: 3.82 @ 25°C (1% w/v)

33.805 cSt at 40°C

10. STABILITY and REACTIVITY

STABILITY: stable

HAZARDOUS POLYMERIZATION: will not
polymerize

INCOMPATIBILITY: strong acids, bases, oxidizing agents

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition will produce
oxides of carbon.

11. TOXICOLOGICAL INFORMATION

EYE: Product may cause slight irritation.

SKIN: No adverse effects from product expected.

INGESTION: No adverse effects from product expected. Animal test show product to be
non-toxic.

INHALATION: No adverse effects from product expected. Animal test show product to be
non-toxic.

REPRODUCTIVE: No data available.

SENSITIZATION: Product is not a sensitizer to guinea pigs.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Do not flush to surface water or sanitary sewer system.

14. TRANSPORT INFORMATION (not meant to be all inclusive)

D.O.T. Not regulated

15. REGULATORY INFORMATION (not meant to be all inclusive)

UNITED STATES

This product is regulated by FIFRA as a pesticide.

The product is currently under review by the EPA.

EPA Establishment number: 82669-NC-001.

This Material Safety Data Sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard.

16. OTHER INFORMATION

MSDS STATUS: Written June 30, 2006

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