

MATERIAL SAFETY DATA SHEET

BUGSLOCK

HANNAEUM, Inc.

ISSUED Date : April 01, 2005

Revision O

1. Company / Identification

1-1. Name of manufacturer : HANNAEUM Inc.

1-2. Address : 244-19, Songgok-ri, Yeomchi-eup, Asan-si, ChungNam 336-813, Korea.

2. Composition / Information on ingredients

Product Name : BUGSLOCK Patch

Raw Material : P.V.C.

Citronella oil : 30%w/w (Pure Essential Oil)

Other substances are not hazardous because all of materials are natural products.

3. Hazards Identification

3-1. Class name of hazardous chemicals for msds in Korea

N.A.

3-2. Physical & chemical hazards

N.A.

3-3. Adverse human health effects

N.A.

3-4. Environmental effects

N.A.

4. First-Aid measures

4-1. Inhalation

If you feel unwell, seek medical advice (show the label where possible)

Do not induce vomiting.

4-2. Skin contact

N.A.

4-3. Eye contact

Flush with copious amounts of water for at least 15 minutes.

4-4. Ingestion

N.A.

5. Fire-fighting measures

5-1. Extinguishing Media

Carbon dioxide, Dry chemical powder or Appropriate foam.

5-2. Special firefighting procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5-3. Unusual fire and explosions hazards

Emits toxic fumes under fire conditions

6. Accidental release measures

6-1. Measures for handling personnel

N.A.

6-2. Measures for environmental effects

N.A.

6-3. Measures for handling spilled substances

N.A.

7. Handling and Storage

7-1. Handling

N.A.

7-2. Storage

Keep away from heat, steam pipe or sunlight.

8. Exposure controls / Personal protection

8-1. Control parameters

N.A.

8-2. Engineering Measures

N.A.

8-3. Personal protection

N.A.

9. Physical & chemical properties

9-1. Physical properties

Flash point : 240 C

Gravity : 1.2 gram, Appearance : Ø 3 cm Circle chip.

Odor : Citronella

9-2. Chemical properties

N.A.

10. Physical hazard

N.A.

11. Toxicological information

Acute Toxicity --- N.A.

Sub chronic Toxicity --- N.A.

Chronic Toxicity --- N.A.

Carcinogenic Effects --- N.A.

Mutagenic Effects --- N.A.

Allergenic and sensitizing Effects --- N.A.

Teratogenic Effects --- N.A.

12. Ecological information

Biodegradability --- N.A.

Bioaccumulation --- N.A.

13. Disposal Consideration / Transport Information

N.A.

14. Regulatory Information

N.A.

15. Other Informations

N.A.