



MATERIAL SAFETY DATA SHEET

B.B.K. (Bed Bug Killer)

DATE: December 2, 2009

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Monteith Mineralized Solutions Inc.
38 Templeton Cr. Barrie, Ontario, Canada, L4N 6K8
Tel: 1 (705) 791-3821

B.B.K. INSECT CONTROL SOLUTION FOR BED BUGS

Generic Description: Cedar Oil and Hydrated Silica
Physical Form: Liquid
Color: Colorless
Odor: Cedar Aroma
NFPA Profile: Health 1 Flammability 2 Instability / Reactivity 0
Note: NFPA = National Fire Protection Association

2. OSHA HAZARDOUS COMPONENTS

<u>CAS Number</u>	<u>Wt%</u>	<u>Component Name</u>
68990-83-0	10.0-20.0	Cedar Oil
7699-41-4	80.0-90.0	Hydrated Silica (Silicic Acid)

The Above components are hazardous as defined in 29 CFR 1910.1200.

3. EFFECTS OF OVEREXPOSURE

Acute Effects

Eye: Direct contact may cause temporary redness and discomfort.
Skin: No significant irritation expected from a single short-term exposure.
Inhalation: Vapor overexposure may cause drowsiness.
Oral: Swallowing large amounts may cause drowsiness.

Prolonged / Repeated Exposure Effects

Skin: Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.

Inhalation: No known applicable information.

Oral: Repeated ingestion or swallowing large amounts may injure internally.

Prolonged I Repeated Exposure Effects

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and for expert review of the product. Please refer to Section 11 for the detailed toxicology information.

4. FIRST AID MEASURES

Eye: Immediately flush with water.

Inhalation of Fog: Remove to fresh air. Get medical attention if ill effects persist.

Oral: Get medical attention.

Comments: Treat according to person's condition and specifics of exposure.

5. FIREFIGHTING MEASURES

Flash Point: 200.0 F / 93 C (Pensky-Martens Closed Cup)

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Extinguishing Media: On large fires use medium expansion (<30:1) AFFF alcohol compatible foam or water spray. On small fires use medium expansion (<30:1)AFFF alcohol compatible foam, CO2 or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards: Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Fire burns more vigorously than would be expected.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

Containment / Clean up: Remove possible ignition sources. Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills. Call MMS (705) 791-3821, if additional information is required.

7. HANDLING AND STORAGE

Use adequate ventilation. Avoid breathing vapor. Keep container closed. Do not take internally. Avoid eye contact.

Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks and flame.

8. EXPOSURE CONTROLS | PERSONAL PROTECTION

Component Exposure Limits

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
68990-83-0	Cedar Oil	TWA 200 ppm.
7699-41-4	Hydrated Silica	TWA 200 ppm.

Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves: Silver Shield(R). 4H(R).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid

Color: Colorless

Odor: Cedar Aroma

Specific Gravity @ 25 C: 0.85

Viscosity: 1.6 cSt

Freezing /Melting Point: Not Determined.

Boiling Point: 190°C

Vapor Pressure @ 25 C: Not Determined.

Vapor Density: Not Determined.

Solubility in Water: Not Determined.

pH: Not Determined.

Volatile Content: Not Determined.

Note: The above information is not intended for use in preparing product specifications. Contact MMS before writing specifications.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction.

11. TOXICOLOGICAL INFORMATION

Special Hazard Information on Components

No known applicable information.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

Complete information is available from manufacturer

Environmental Effects

Complete information is available from manufacturer

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters(LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<1	>1 and <100	>100
Acute Terrestrial Toxicity	<100	>100 and <200	>200

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34,1993

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes.

Characteristic Waste:

Ignitable: DOOI

State or local laws may impose additional regulatory requirements regarding disposal.

Call MMS Corporate Environmental Management, (705) 791-3821, if additional information is required. Refer to product Number **BBK 001**.

14. TRANSPORT INFORMATION

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances:

None.

Section 304 CERCLA Hazardous Substances:

None.

Section 312 Hazard Class:

Acute: Yes

Chronic: No

Fire: Yes

Pressure: No

Reactive: No

Section 313 Toxic Chemicals:

None present or none present in regulated quantities.

Supplemental State Compliance Information

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None Known.

Massachusetts

No ingredient regulated by MA Right-To-Know Law present.

DOT Road Shipment Information (49 CFR 172.101)

Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S.
Hazard Technical Name: POLYSILOXANE
Hazard Class: COMBUSTIBLE LIQUID
UN/NA Number NA1993
Packing Group: III
Remarks: Above applies only to containers over 119 gallons or 450 liters.

Ocean Shipment (IMDG)

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
Hazard Technical Name: POLYSILOXANE
Hazard Class: 3
UN Number: 1993
Packing Group: III
Hazard Label(s): FLAMMABLE LIQUID
Marine Pollutant: Not Applicable

Air Shipment (IATA)

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
Hazard Technical Name: POLYSILOXANE
Hazard Class: 3
UN Number: 1993
Packing Group: III
Hazard Label(s): FLAMMABLE LIQUID
Call MMS Transportation, (705)791-3821, if additional information is required. Refer to Product **BBK 001**.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200
TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances. All active and inert components are found on the Approved 4A Inert List and minimum risk pesticide active ingredient list made part of The Food Quality Protection Act of 1996 better known as 152.13 of The Federal Register and Subsequently exempt from EPA registration when formulated as an insect control substance.

16. OTHER INFORMATION

Prepared by: Monteith Mineralized Solutions Inc.
These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.