

MATERIAL SAFETY DATA SHEET

Rodents Odor Free International, Inc.
113 – 706 Confederation Drive
Saskatoon, Saskatchewan S7L 5R7

Date of MSDS Preparation: 2015-07-22

In Case of Emergency from Spill or for further information:
Call 1-306-220-5284

SECTION – 1: PRODUCT IDENTIFICATION

Product Identifier: Rodents Odor Free

Active Ingredient (%): Stearic Acid (Min. 33 %) CAS NO.: 57-11-4
Other ingredients (≤ 67 %)

Product Use: Rodent odor eliminator. Please refer to product label for further details.

SECTION – 2: HAZARDS IDENTIFICATION

Symptoms of Acute Exposure

Accidental exposure may cause a mild but transient irritation of the eyes and skin. Exposure through ingestion may cause irritation of the gastrointestinal tract. Inhalation exposure is unlikely at ambient temperature, although avoid breathing nuisance dust.

Hazardous Decomposition Products

Product does not decompose up to 200 °C. At higher temperatures decomposition may result in production of oxides of carbon.

Physical Properties

White solid with gray particulates disbursed uniformly throughout material. Faint fatty acid odour. This product contains vermiculite which is regulated under the heading “Particles Not Otherwise Classified” (PNOC).

Unusual Fire, Explosion and Reactivity Hazards

Potentially combustible. Do not use water as an extinguishing media.

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SECTION – 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>Concentration</u>
Octadecanoic acid	57-11-4	33%
Other ingredients		≤ 67%

SECTION – 4: FIRST AID MEASURES

IN CASE OF EYE CONTACT: Immediately flush eyes with plenty of cold running clean water for a minimum of 15 minutes. If present, remove contact lenses after 5 minutes. Get medical attention.

IN CASE OF SKIN CONTACT: Remove contaminated clothing. Wash skin, hair and hands with soap and water. If irritation develops get medical attention.

IN CASE OF INHALATION: Avoid breathing nuisance dust. Remove individual to fresh air. If not breathing, provide artificial respiration, preferably mouth-to-mouth. If breathing is laboured, give oxygen. Call for medical attention.

IN CASE OF INGESTION: Immediately contact a poison control centre. If individual is conscious, wash out mouth with fresh water. Do not administer anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician. Rinse mouth and continue to administer water.

SECTION – 5: FIRE FIGHTING MEASURES

Flash point and method: >200° C (>392° F)

Upper and lower flammable (explosive) limits in air:

LEL: Not available

UEL: Not available

Auto-ignition temperature: >250 °C (>482°F)

Hazardous combustion products: Oxides of carbon. Potential combustible dust if flaked or powdered. Dust generated from flaked product will be combustible at sufficient concentration.

Extinguishing media: **Do Not** Use Water as an extinguishing media.

- Small Fires: Use CO₂ or dry chemical.
- Large Fires: Use foam.

Wear full protective clothing and self-contained breathing apparatus.

Sensitivity to explosion by mechanical impact: Not available.

Sensitivity to explosion by static discharge: Not available.

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SECTION – 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

All personnel involved in the spill cleanup should follow good industrial hygiene practices. Small spills may be handled routinely. Wear suitable gloves and eye protection to prevent eye and skin exposure.

Release or spill procedures: Contain and control the spill. Sweep up and recover or mix material with a moist absorbent and shovel into a chemical waste container. Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility.

SECTION – 7: HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN

Handling: Normal precautions should be followed when handling all chemicals. Prevent eating, drinking, and tobacco use in areas where there is a potential for exposure to the material. Thoroughly wash hands with soap and water after use, and before eating, tobacco use, drinking, or using the restroom. Containers not in use should remain sealed. Prevent eye contact. Do not swallow.

Storage: Store in original container only, and in a well-ventilated, cool, dry, secure area. Maintain good housekeeping to avoid dust buildup. Maintain storage at temperatures below 40 °C. Follow procedures specified in the National Fire Protection Association Codes and Standards for handling combustible dusts.

SECTION – 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Applicable control measures, including engineering controls:

Good industrial hygiene practices should be followed. Ensure work areas have appropriate ventilation. Avoid breathing nuisance dust.

Personal Protective Equipment: Protective gloves depending on the degree of potential exposure.

Emergency and First Aid Procedures: If dust inhaled provide fresh air. If eye irritation occurs flush with water. If irritation persists, consult a doctor.

Exposure Limit Values: Not established.

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SECTION – 9: PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Appearance: White with gray particles throughout solid material.

Formulation Type: Solid mixture.

Odour: Fatty, musty.

Important Health, Safety and Environmental Information:

pH: neutral.

Vapour pressure and reference temperature:

0.99 mm Hg @ 165 °C (329 °F) (Octadecanoic acid).

Boiling point: 351.5-376 °C (664.7-708.8 °F) @ 760 mm Hg (101.3kPa).

Flash point: 196.1 °C (385 °F). Closed cup

Specific gravity or density: 0.372-0.428 g/cm³.

Flammability: Not available.

Explosive properties: Not available.

Oxidising properties: Not available.

Freezing point: Not available.

Evaporation Rate: Not available.

Water/oil partition coefficient: Not available.

Odour threshold: Not available.

Viscosity: 7.79 mPas (cps) at 80 °C.

Solubility:

Water: None @ 20 °C (68 °F).

Fat solubility: Not available.

Explosive Limits: Not available.

Auto ignition temperature: >250 °C (>482 °F).

SECTION – 10: STABILITY AND REACTIVITY

Stability: Stable at room temperature.

Avoid: Ignition sources.

Material incompatibility: A component of the product is incompatible with Hydrofluoric acid.

Hazardous decomposition products: May decompose at high temperatures to form oxides of carbon.

Hazardous polymerization: Will not occur.

SECTION – 11: TOXICOLOGICAL INFORMATION

Acute toxicity/Irritation Studies (Octadecanoic acid):

Ingestion: Non-Toxic Oral (LD₅₀ Rat): > 10 g/kg body weight

Dermal: Non-Toxic Dermal (LD₅₀ Rabbit): > 5,000 mg/kg body weight

Inhalation: No data available.

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Skin Irritation: Unlikely to be irritating.

Skin Sensitization: Not a Skin Sensitizer

Eye Irritation: Not an eye irritant.

Other Toxicity Information: None.

Toxicity of Other Components - The other components of the finished product are from mined minerals and are unknown to have any toxic effects. Dust from this product may have the potential to irritate the nose, throat and lungs. Eye contact may produce irritation, tearing or blinking, in reaction to a foreign body in the eye.

SECTION – 12: ECOLOGICAL INFORMATION

Eco-Acute Toxicity:

Fish (killifish) LC₅₀: 125 mg/l 96 hour (stearic acid sodium salt)

Fish (Gold fish – lethal dose): 14 mg/L (stearic acid sodium salt)

Daphnia EC₅₀: Non-toxic at concentrations within its aqueous solubility.

Rotifer EC₅₀: No data available.

Algae EC₅₀: No data available.

Eco-Chronic Toxicity:

Invertebrate (Daphnia magna) 21-Day Reproduction: No data available

Fish (Rainbow Trout): No data available

Environmental Fate

The fatty acid component of the finished product will be microbiologically degraded in the open environment while the other components will be returned to their natural environment as elemental phyllosilicates.

SECTION – 13: DISPOSAL CONSIDERATIONS

Waste disposal information:

Do not reuse empty bags or pouches. Dispose of used product in normal garbage disposal bins.

Waste shipments must be securely packaged and properly labelled.

SECTION – 14 : TRANSPORT INFORMATION

Shipping information such as shipping classification:

TRANSPORTATION OF DANGEROUS GOODS CLASSIFICATION - ROAD/RAIL

Not Regulated.

SECTION – 15: REGULATORY INFORMATION

WHMIS classification for product: Exempt

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This MSDS has been prepared in accordance with WHMIS requirements, but the data are presented under 16 headings.

SECTION – 16: OTHER INFORMATION

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Rodents Odor Free will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein. This Material Safety Data Sheet is valid for three years. Hazardous properties of all ingredients have been considered in the preparation of this MSDS. Read the entire MSDS for the complete hazard evaluation of this product.

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