

FOAMING ROOT KILLER



MATERIAL SAFETY DATA SHEET

Date Prepared: 11/23/2009

Supersedes Date: 6/26/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Foaming Root Killer**
Chemical Name or Synonym: Mixture

Company Identification: **Roebic Laboratories, Inc.**
P.O.Box 927
25 Connair Road
Orange, CT 06477
203-795-1283 (For Product Information)
800-424-9300 (For Emergencies – CHEMTREC 24 hours a day)

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Date: November 23, 2009

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Percentage</u>	<u>CAS Number</u>	<u>OSHA Hazard</u>
Sulfamic Acid	Proprietary	5329-14-6	YES
Sodium Bicarbonate	Proprietary	144-55-8	NO
Non Ionic Surfactants	Proprietary	9036-19-5	YES
2,6 Dichlorobenzontrile	Proprietary	1194-65-6	YES
Kaolin Clay	Proprietary	1332-58-7	YES

Composition Notes: Package contains 2 layers of chemical ingredients, which react in water to create foaming action.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION

Routes of Exposure:

Eye Contact: Exposure to airborne dust during the handling of this product may cause immediate or delayed irritation or inflammation.

Skin Contact: Prolonged or repeated contact may cause moderate skin irritation.

Ingestion: Ingestion is not a likely route of entry, however swallowing large amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage.

Inhalation: Exposure to this product in excess of the applicable TVL or PEL may cause or aggravate other lung conditions. Exposure to this product may cause irritation to the moist mucous membranes of the nose, throat, and upper respiratory system.

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Chronic: Chronic inhalation may cause effects similar to those for acute inhalation. Effects may be delayed.

Medical Conditions which May be Aggravated by Inhalation or Dermal Exposure: Pre-existing upper respiratory and lung diseases by exposure to the dry ingredients. Persons with unusual (hyper) sensitivity to chemicals, dusts, and metallic compounds may experience adverse reactions to this product.

Carcinogenic Potential: This product and its ingredients are not listed as a carcinogen by NTP, OSHA, ACGIH or IARC.

4. FIRST AID MEASURES

Eyes: Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Seek immediate medical attention. Do not allow victim to rub eyes or keep eyes closed.

Skin: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek immediate medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

Ingestion: Do not induce vomiting or give anything by mouth. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Inhalation: If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient.

5. FIRE FIGHTING MEASURES

Flash Point – >420°F

Lower Explosive Limit – N.E.

Upper Explosive Limit – N.E.

Auto Ignition Temperature – N.E.

Unusual Fire & Explosion Hazards – May release sulfur trioxide or ammonia when involved in fire.

Aqueous solutions of this product are mildly acidic.

Extinguishing Media – As Appropriate

Special fire fighting Procedures – None

Hazardous Combustion Products – None

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective gear for the situation. See Personal Protection information in section 8.

Containment of Spill: Dike or retain dilution water or water from firefighting for later disposal. Follow procedure described below under cleanup and disposal of spills.

Cleanup and Disposal of Spill:

For small spills, sweep up and dispose of in DOT-approved waste containers.

For large spills, shovel in DOT-approved waste containers. Keep out of surface waters and soil. Introduce lime or soda ash to form soluble salts.

Waste Disposal Method: Plastic containers, triple rinse, then offer for recycling, reconditioning or incinerate.

If state and local regulations allow, burn but stay away from smoke.

NOTE: Dispose of all wastes in accordance with federal, state, and local regulations.

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Environmental and Regulatory Reporting: Runoff from fire control or dilution water may cause pollution. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

7. HANDLING AND STORAGE

Handling: Keep containers closed when not being used. Avoid contamination of storage containers. Minimize dust generation and accumulation. Use with adequate ventilation.

Storage: Store in a cool, dry well-ventilated place away from incompatible materials. Keep packages dry at all times. Full and empty containers retain product residue and vapors.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Chemical Name	ACGIH TWA	OSHA PEL	NIOSH
Sulfamic Acid	1 mg/m ³	N.E.	N.E.
Sodium Bicarbonate	N.E.	N.E.	N.E.
Non Ionic Surfactants	N.E.	N.E.	N.E.
2,6 Dichlorobenzontrile	N.E.	N.E.	N.E.
Kaolin Clay	N.E.	N.E.	N.E.

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure techniques may be used to effectively minimize employee exposures.

Eye Protection: When engaged in activities where dry ingredients could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury.

Skin Protection: Skin contact should be minimized through use of gloves and suitable long sleeved clothing. Consideration must be given both to durability as well as permeation resistance.

Respiratory Protection: Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used in the context of respiratory protection program meeting the requirements of the OSHA respiratory protection standard [29 CFR 1910.134] to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced. Respirator and/or filter cartridge selection should be based on American National Standards Institute (ANSI) Standards Z88.2 Practices for Respiratory Protection.

Ventilation: Use local exhaust or general dilution ventilation to control exposure within applicable limits.

Work Practice Controls:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance – Bottom layer white granules
Top layer slightly aromatic brown granules

Odor – Odorless

Physical State – Solid

Specific Gravity (H₂O=1) – 2.18 Bottom Layer

pH 1% ~ 11.5

Solubility in Water – 21% Bottom layer

Vapor Pressure – Not Available

Density – Not Available

Boiling Point – Not Available

Melting Point – 255°F Bottom layer

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Incompatible materials

Hazardous Polymerization: Hazardous polymerization will not occur.

Incompatibility with other materials: Hazardous reaction in aqueous solution may occur with chlorine, hypochlorous acid, hypochlorites, cyanides, or sulfides. Strong alkalis should be avoided.

Hazardous Decomposition: May release sulfur dioxide, sulfur trioxide, or ammonia gases and organic compounds in black smoke.

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation:

No test data found for product

Acute Skin Irritation:

No test data found for product

Acute Dermal Toxicity:

No test data found for product

Acute Respiratory Irritation:

No test data found for product

Acute Inhalation Toxicity:

No test data found for product

Acute Oral Toxicity:

No test data found for product

Chronic Toxicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data found for product.

Chemical Fate Information: No data found for product.

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13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste material according to local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Hazardous Materials Description/Proper Shipping Name: NOT REGULATED

Hazard Class: Not Applicable

Identification Number: Not Applicable

Required Label Text: Not Applicable

Hazardous Substances/Reportable Quantities: Not Applicable

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS:

Status under OSHA Hazard Communication Standard, 29 CFR 1910.1200: This product is considered a "hazardous chemical" under this regulation, and does need to be included in the employer's hazard communication program.

Reportable Quantities Under the Clean Water Act, CERCLA, and EPCRA, 40 CFR 117, 302 and 355:
Not listed.

Hazard Category and Applicability of EPCRA Hazardous Substance Inventory Reporting, 40 CFR 370:
Not listed

Applicability of EPCRA Toxic Chemical Release Inventory (TRI) Reporting, 40 CFR 372:
Not subject to TRI reporting

Status Under the Toxic Substances Control Act, 40 CFR 710:
The components of this product are listed or exempt.

SARA Title III Hazard Classes:

Fire Hazard: NO
Reactive Hazard: YES
Release of Pressure: NO
Acute Health Hazard: YES
Chronic Health Hazard: NO

State Regulations:

This product does not contain any components that are regulated under California Proposition 65.

16. OTHER INFORMATION

NFPA Ratings: Health: 2 Flammability: 1 Reactivity: 2

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Label Requirements:

WARNING! MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION

Hazardous Material Information System (HMIS):	Health	2
	Flammability	1
	Reactivity	2
	Personal Protection	B

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
Protective Equipment: Safety glasses, gloves

ADDITIONAL INFORMATION:

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of, or prejudice to third parties through the use of our products. Roebic Laboratories, Inc. guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations.

END OF MSDS