

# SAFETY DATA SHEET

## Foaming Root Killer

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Directives

### 1. PRODUCT IDENTIFICATION

<b>1.1 TRADE NAME (AS LABELED):</b>	<b>Foaming Root Killer</b>
<b>PRODUCT NUMBERS:</b>	FRK-12-1LB and FRK-6-1LB
<b>EPA REGISTRATION NUMBER:</b>	7792-7
<b>SYNONYMS:</b>	None known
<b>CAS#:</b>	Mixture
<b>1.2 PRODUCT USE:</b>	A foaming herbicide for control of roots in pipelines.
<b>1.3 MANUFACTURER'S NAME:</b>	<b>Roebic Laboratories, Inc.</b>
<b>ADDRESS:</b>	P.O.Box 927, 25 Connair Road, Orange, CT 06477 USA
<b>BUSINESS PHONE:</b>	1-203-795-1283 (Product Information)
<b>FAX NUMBER:</b>	1-203-795-5227
<b>1.4 EMERGENCY PHONE NUMBER:</b>	
<b>EMERGENCY PHONE #:</b>	1-800-424-9300 Chemtrec (TOLL-FREE in USA/Canada)
<b>EMAIL:</b>	<a href="mailto:custservice@roebic.com">custservice@roebic.com</a>
<b>1.5 PREPARATION INFORMATION:</b>	
<b>DATE OF CURRENT REVISION:</b>	October 22, 2021
<b>DATE OF LAST REVISION:</b>	November 7, 2016

### 2. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW:

**Product Description:** This product is a white to brown powder with a slight aromatic odor.

**Health Hazards:** May cause skin or eye irritation.

**Flammability Hazards:** This product is a non-flammable liquid.

**Reactivity Hazards:** None known

**Environmental Hazards:** The Environmental effects of this product have not been investigated. Release of this product may have adverse effects in the aquatic environment.

#### 2.1 GHS LABELING AND CLASSIFICATION:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910.1200 and regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008.

##### Index Number:

EC# 226-218-8 Annex V Index #016-026-00-0

EC# 207-838-8 Annex V Index #011-005-00-2

EC# 500-315-8 This substance is not classified in the Annex V

EC# 271-657-0 This substance is not classified in the Annex V

Substances not listed either individually or in group entries must be self classified.

##### Component(s) Contributing to Classification(s)

All Components

#### 2.2 LABEL ELEMENTS:

GHS Hazard Symbol(s)



Signal Word: **Warning!**

##### GHS Hazard Classification(s):

Skin Irritation Category 2

Eye Irritation Category 2A

Aquatic Chronic Category 3

Aquatic Acute Category 3

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### Hazard Statement(s):

H315: Causes skin irritation  
 H319: Causes serious eye irritation  
 H402: Harmful to aquatic life  
 H412: Harmful to aquatic life with long lasting effects

### Prevention Statement(s):

P264: Wash skin after handling  
 P280: Wear eye protection / face protection  
 P273: Avoid release to the environment

### Response Statement(s):

P302+P352: IF ON SKIN: Wash with plenty of water. Manufacturer / Supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.  
 P332+P313: If skin irritation occurs: Get medical advice / attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313: If eye irritation persists: Get medical advice/attention.

### Storage Statement(s):

None applicable

### Disposal Statement(s):

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

### 2.3 OTHER HAZARDS:

None Applicable

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification
Sulphamic Acid	30-50%	5329-14-6	226-218-8	Skin Irritant Cat 2, Eye Irritant Cat 2, Aquatic Acute Cat 3, Aquatic Chronic Cat 3
Sodium Carbonate	20-40%	497-19-8	207-838-8	Eye Irritant Cat 2
Kaolin	11-12%	1332-58-7	310-194-1	Not Classified
4-Nonylphenol, branched, ethoxylated	<3%	127087-87-0	500-315-8	Acute Toxicity Category 4 (Oral), Eye Damage Cat 1, Aquatic Acute Cat 2, Aquatic Chronic Cat 2
Cocoamide DEA	<1%	68603-42-9	271-657-0	Skin Irritant Cat 2, Eye Irritant Cat 2
Dichlobenil	<1%	1194-65-6	214-787-5	Acute Toxicity Category 4 (Oral), Aquatic Chronic Cat 2
Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).				

## 4. FIRST-AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES:

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

**SKIN CONTACT:** If product contacts skin, wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known

### 4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Exposure to this product may cause irritation to skin and eyes.

### 4.3 RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

### 5. FIRE-FIGHTING MEASURES

#### 5.1 FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

Water Spray: Yes                      Carbon Dioxide: Yes  
 Foam: Yes                                Dry Chemical: Yes  
 Halon: Yes                                Other: Any "C" Class

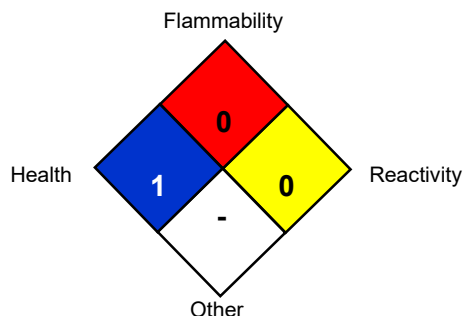
#### 5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known  
 Explosion Sensitivity to Mechanical Impact: No  
 Explosion Sensitivity to Static Discharge: No



#### 5.3 SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

#### NFPA RATING SYSTEM



#### HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			1
FLAMMABILITY HAZARD (RED)			0
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

See section 8.2 for Exposure Controls.

#### 6.2 ENVIRONMENTAL PRECAUTIONS:

For large volumes keep away from storm drains, surface waters, and soils.

#### 6.3 SPILL AND LEAK RESPONSE:

Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

### 7. HANDLING and STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING:

To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling do not eat, drink, or smoke. Wash thoroughly after handling.

#### 7.2 STORAGE AND HANDLING PRACTICES:

Keep in cool, dry, well-ventilated area in closed containers.

#### 7.3 SPECIFIC USES:

A foaming herbicide for control of roots in pipelines.

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## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

### 8.1 EXPOSURE PARAMETERS:

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Sulphamic Acid	5329-14-6	Not Listed	Not Listed
Sodium Carbonate	497-19-8	Not Listed	Not Listed
Kaolin	1332-58-7	2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	15 mg/m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable fraction (vacated) 10 mg/m <sup>3</sup> total dust (vacated)
4-Nonylphenol, branched, ethoxylated	127087-87-0	Not Listed	Not Listed
Cocoamide DEA	68603-42-9	Not Listed	Not Listed
Dichlobenil	1194-65-6	Not Listed	Not Listed

### 8.2 EXPOSURE CONTROLS:

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Not normally required when using this product. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION** Safety glasses or goggles are required where splashing is possible. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protection appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

## 9. PHYSICAL and CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE (Physical State) and COLOR:** This product is a white to brown powder

**ODOR:** Slight aromatic odor.

**ODOR THRESHOLD:** Not Available

**pH:** Homogeneously mixed product is 3.03 at 25% w/w and 6.32 at 1% w/w..

**MELTING/FREEZING POINT:** Not Available

**BOILING POINT:** Not Available

**FLASH POINT:** Not Available

**EVAPORATION RATE (n-BuAc=1):** Not Available

**FLAMMABILITY (SOLID, GAS):** Not Applicable

**UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS:** Not Applicable

**VAPOR PRESSURE (mm Hg @ 20°C (68°F):** Not Available

**VAPOR DENSITY:** Not Available

**RELATIVE DENSITY:** Not Available

**DENSITY:** 17.114 lbs/gal

**SPECIFIC GRAVITY:** Not Available

**SOLUBILITY IN WATER:** Disperses in water

**WEIGHT PER GALLON:** Not Available

**PARTITION COEFFICIENT (n-octanol/water):** Not Applicable

**AUTO-IGNITION TEMPERATURE:** Not Applicable

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**DECOMPOSITION TEMPERATURE:** Not Available

**VISCOSITY:** Not Available

**VOC g/l / Lb/gal:** Not Available

**9.2 OTHER INFORMATION:**

No additional information available.

## 10. STABILITY and REACTIVITY

**10.1 REACTIVITY:**

This product is not reactive.

**10.2 STABILITY:**

Stable under conditions of normal storage and use.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

Will not occur

**10.4 CONDITIONS TO AVOID:**

None known

**10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:**

Incompatible with strong oxidizing agents, Nitric acid or chlorine.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

None known

## 11. TOXICOLOGICAL INFORMATION

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:**

**TOXICITY DATA:**

Sulphamic Acid CAS# 5329-14-6: LD50 Oral - rat - 3,160 mg/kg

Sodium Carbonate CAS# 497-19-8: LD50 Oral - Rat - 4,090 mg/kg

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Skin Irritation Category 2
Serious eye damage / irritation	Eye Irritation Category 2A
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

**ROUTE OF EXPOSURE:** The most significant routes of exposure for this product are by inhalation, skin contact, eye contact or ingestion.

**ACUTE:**

**INHALATION:** Not expected to be an inhalation hazard when used as directed.

**CONTACT WITH SKIN:** Repeated or prolonged contact may cause skin irritation.

**EYE CONTACT:** Contact may cause serious damage the eyes.

**INGESTION:** Not expected to be an ingestion hazard when used as directed.

**CHRONIC:** None known

**TARGET ORGANS: Acute:** Eyes, Skin

**Chronic:** None known

**SUSPECTED CANCER AGENT:** None of the ingredients greater than 0.1% within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, or suspected to be, cancer-causing agents by these agencies.

**IRRITANCY OF PRODUCT:** This product may be irritating to skin and eyes.

**SENSITIZATION TO THE PRODUCT:** This product is not considered a sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** No information concerning the effects of this product or its components greater than 0.1% on the human reproductive system are available.

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** None known

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** None known

**ASPIRATION HAZARD:** None

### 12. ECOLOGICAL INFORMATION

#### **12.1 TOXICITY:**

Sulphamic Acid CAS# 5329-14-6: LC50 - Fish - 70.3 mg/l - 96 h  
Sodium Carbonate CAS# 497-19-8: LC50 - Fish - 300 mg/l - 96 h  
EC50 - Water flea - 265 mg/l - 48 h

#### **12.2 PERSISTENCE AND DEGRADABILITY:**

No specific data available on this product.

#### **12.3 BIOACCUMULATIVE POTENTIAL:**

No specific data available on this product.

#### **12.4 MOBILITY IN SOIL:**

No specific data available on this product.

#### **12.5 RESULTS OF PBT AND vPvB ASSESSMENT:**

No specific data available on this product.

#### **12.6 OTHER ADVERSE EFFECTS:**

No specific data available on this product.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

#### **12.7 WATER ENDANGERMENT CLASS:**

Water endangering in accordance with EU Guideline 91/155-EWG. Not determined

### 13. DISPOSAL CONSIDERATIONS

#### **13.1 WASTE TREATMENT METHODS:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan. Small spills can be disposed of down sanitary sewer systems if the product is allowed for use in sanitary sewers in that state and if amount to dispose of meets the sewer line usage limits. Please check the label for further details.

#### **13.2 EU Waste Code:**

Not determined

### 14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:** This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

**14.1 PROPER SHIPPING NAME:** Non-regulated Material

**14.2 HAZARD CLASS NUMBER and DESCRIPTION:** None

**14.3 UN IDENTIFICATION NUMBER:** None

**14.4 PACKING GROUP:** None

**14.5 DOT LABEL(S) REQUIRED:** None

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:** None

**RQ QUANTITY:** None

**14.6 MARINE POLLUTANT:** None of the components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

#### **14.7 SPECIAL PRECAUTIONS FOR USER:**

None

#### **14.8 INTERNATIONAL TRANSPORTION:**

**INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):** This product is not considered as dangerous goods.

**INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):** This product is not considered as dangerous goods.

#### **14.9 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE:**

**EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):** This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.



### 15. REGULATORY INFORMATION

#### 15.1 UNITED STATES REGULATIONS:

**U.S. SARA REPORTING REQUIREMENTS:** The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

**U.S. TSCA INVENTORY STATUS:** The components of this product are listed on the TSCA Inventory or are exempted from listing.

**OTHER U.S. FEDERAL REGULATIONS:** None

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** This product does not contain ingredients on the Proposition 65 Lists.

**FEDERAL INSECTICIDE, FUNGICIDE, and RODENTICIDE ACT (FIFRA):** This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

*Causes moderate eye irritation. Avoid contact with eyes, or clothing. Avoid breathing dust, wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.*

#### 15.2 CANADIAN REGULATIONS:

**CANADIAN DSL/NDL INVENTORY STATUS:** The components of this product are on the DSL Inventory, or are exempted from listing.

**OTHER CANADIAN REGULATIONS:** Not applicable.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** This product is classified per WHMIS 2015 Controlled Product Regulations.

#### 15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

See Section 2 for full Details.

#### 15.4 AUSTRALIAN INFORMATION FOR PRODUCT:

The components of this product are listed on the International Chemical Inventory list.

#### 15.5 JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:**

The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

**JAPANESE ENCS INVENTORY:**

The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

#### POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW:

No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

#### 15.6 INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed or Exempt from listing

Australian Inventory of Chemical Substances (AICS): Listed or Exempt from listing

Korean Existing Chemicals List (ECL): Listed or Exempt from listing

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed or Exempt from listing

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed or Exempt from listing

Swiss Giftlist List of Toxic Substances: Listed or Exempt from listing

U.S. TSCA: Listed or Exempt from listing

### 16. OTHER INFORMATION

**PREPARED BY:** Chris Eigbrett – (MSDS to GHS Compliance)  
**DATE OF PRINTING:** October 22, 2021

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**END OF SDS SHEET**