

For Field Use Only

MATERIAL SAFETY DATA SHEET
RYKO MOUNTAIN PINE FOAMING DETERGENT

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EMERGENCY PHONE NO.: CHEMTREC 1-800-424-9300 (U.S. and Canada)

SECTION I - PRODUCT INFORMATION

PRODUCT NAME: RYKO Mountain Pine Foaming Detergent
PRODUCT PART NUMBER(S): 10413-003, 14470-001, 17992-005, 17992-006, & 24169-002
CHEMICAL NAMES AND SYNONYMS: N/A
CHEMICAL FAMILY: Surfactant mixture, aqueous.
FORMULA: Proprietary Information

SECTION II - HAZARDOUS INGREDIENTS

No hazardous ingredients are included in this product as established by the American Conference of Governmental Industrial Hygienists and/or standards promulgated by the Occupational Safety and Health Administration.

SECTION III - PHYSICAL DATA

BOILING POINT: >200° F	SPECIFIC GRAVITY: 1.02
FREEZING POINT: 20° F	VOLATILE BY WEIGHT: 80%
VAPOR PRESSURE: 1mm Hg @ 25° C	EVAPORATION RATE: (butyl acetic=1): >1
VAPOR DENSITY (AIR = 1): >1	SOLUBILITY IN WATER: Complete
pH: 8.0 - 9.0 typical	
APPEARANCE & ODOR: Clear to amber liquid. Pine odor.	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200°F
FLAMMABLE LIMITS (% volume in air): LEL: UNK UEL: UNK
EXTINGUISHING MEDIA: Use dry chemical or carbon dioxide on small fires. Use foam (alcohol, polymer or ordinary) and water spray on larger fires.
SPECIAL FIRE FIGHTING PROCEDURES: Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear; include a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

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SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

- Eye Contact:** Product may cause temporary irritation to the eyes.
Skin Contact: Product may cause temporary irritation to the skin.
Inhalation: Product may be slightly irritating to mucous membranes.
Ingestion: Product may cause irritation when ingested.

EMERGENCY AND FIRST AID PROCEDURES

- Eye Contact:** Immediately flush with plenty of water for a least 15 minutes while occasionally holding eyelids open to ensure flushing of the entire eye surface. Get medical attention, if necessary.
- Skin Contact:** Flush affected area with water and wash with soap; remove contaminated clothing and shoes and do not reuse until thoroughly cleaned. Skin cream applied after washing may relieve dryness. Should symptoms develop or persist, contact physician.
- Inhalation:** Remove victim to fresh air; provide oxygen if breathing is difficult. If prolonged exposure has occurred, obtain medical attention. Note: coughing, sneezing or other symptoms of upper respiratory irritation may serve as a warning of exposure to high airborne concentrations.
- Ingestion: *DO NOT INDUCE VOMITING!!*** * Rinse mouth with water; give large quantities of milk or water to drink. If vomiting occurs spontaneously; keep head below hips to prevent aspiration. Give more liquids. Do not give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.
- Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician.
- Other Information:** Preexisting eye, skin and respiratory disorders may be aggravated by exposure.

SECTION VI - REACTIVITY DATA

- STABILITY:** STABLE UNSTABLE
- INCOMPATIBILITY:** Strong oxidizers may cause a reaction.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition or combustion may produce carbon dioxide and/or carbon monoxide, and/or oxides of nitrogen.
- HAZARDOUS POLYMERIZATION:** WILL OCCUR WILL NOT OCCUR
- CONDITIONS TO AVOID:** Excessive heat.

SECTION VII - SPILL AND LEAK PROCEDURES

- SPILL OR LEAK PROCEDURES:** Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Use water spray to reduce vapors.
- SMALL SPILLS:** Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Wash area with suitable detergent and thoroughly rinse.
- LARGE SPILLS:** Dike far ahead of spill for later disposal and recovery.
- WASTE DISPOSAL METHODS:** Recover material or dispose (incineration is preferred) in accordance with all applicable federal, state, and local regulations. Material collected with absorbent may be disposed of in a permitted landfill in accordance with federal, state and local regulations. Empty containers may retain vapor or product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not required

VENTILATION REQUIREMENTS: None required.

EYE PROTECTION: Chemical goggles, or face shield required to prevent eye contact when handling open chemical containers or when working on equipment components containing this concentrated product.

GLOVES: Not required

OTHER PROTECTIVE MEASURES: No protection is necessary during normal car wash operation .

SECTION IX - DOT SHIPPING INFORMATION

Proper Shipping Name: RYKO Mountain Pine Foaming Detergent

Hazard Class: Non Hazardous

ID Number: N/A

Label Requirements: N/A

Reportable Quantity: N/D

SECTION X - ADDITIONAL INFORMATION

In accord with the philosophy established by the Occupational Safety and Health Administrations Hazard Communication Final Rule, 1985, this Material Safety Data Sheet has been designed to emphasize the hazardous portions (ingredients) utilized in the total formulation. As a result, the information herein stresses the most hazardous component(s) only. By this approach, we feel better knowledge and awareness should substantially contribute to reduce exposure and injury to workers involved with the use of this product.

It is readily understood that accidents do happen. More importantly, it must be stressed that ACCIDENTS CAN BE PREVENTED! The information supplied in this document is presented for exactly this purpose. As required by law, its data should be thoroughly read and made available to anyone who may be responsible for handling this material.

All data provided relates to the concentrated product as shipped. Actual usage rates and further dilutions will, in most cases, greatly reduce, if not eliminate, the potential for worker injury. We promote, however, any and all chemical products should be handled with extreme care and only by authorized and informed personnel.

SECTION XI - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Do not get into eyes, on skin/clothing. Do not breathe concentrated vapors. Always wash with soap and water before eating, drinking, smoking or using toilet facilities after using product. Launder contaminated clothing before reuse. Store in tightly sealed containers when not in use. Keep liquid and vapor away from heat, sparks and open flames. Do not allow to freeze for product quality assurance. Do not combine with other chemicals. Store in well ventilated areas at temperatures below 120°F. As a general rule, prevent and protect this product from unauthorized use. For commercial use only! Keep out of reach of children.

< = LESS THAN

> = MORE THAN

UNK = UNKNOWN

N/A = NOT APPLICABLE

N/D = NOT DETERMINED

N/E = NOT ESTABLISHED

The information and recommendations provided in this Material Safety Data Sheet have been obtained from data we believe to be reliable. We provide no warranties, expressed or implied, or accept no responsibility for loss associated with the use or handling of this product. This information is offered for your review and consideration. Efforts should be extended to determine the applicability of this product for your specific intended use. RYKO Manufacturing Company knows of no medical condition, other than those noted on the Material Safety Data Sheet, which are generally recognized as being aggravated by exposure to this product.

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