

MATERIAL SAFETY DATA SHEET

RYKO HIGH FOAM DETERGENT R

RYKO MANUFACTURING CO.

11600 NW 54TH AVE.

GRIMES, IA 50111

515-986-3700

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

SECTION I - PRODUCT INFORMATION**PRODUCT NAME:** RYKO High Foam Detergent R**PRODUCT PART NUMBER(S):** 10413-004, 14470-002, 17992-002**CHEMICAL NAMES AND SYNONYMS:** N/A**CHEMICAL FAMILY:** Surfactant mixture, aqueous**FORMULA:** Proprietary (Trade Secret)**NFPA Ratings (Scale 0-4)**

Health: 0

Flammability: 0

Reactivity: 0

Other: None

SECTION II - HAZARDOUS INGREDIENTS

Component	CAS Number	Weight %	Exposure Limits (TWA/TLV)
Coco fatty acid derivatives, disodium salts	132647-09-7	5 to 15%	None established
Methanol	67-56-1	<1%	200 ppm - skin (OSHA - PEL) 250 ppm - skin (OSHA - STEL) 200 ppm - skin (ACGIH - TWA) 250 ppm - skin (ACGIH - STEL)
Triethanolamine dodecyl benzene sulfonate	27323-44-7	<1%	None established
1-Hydroxyethyl-2-cocooimidazoline	61791-38-6	<0.5%	None established
Triethanolamine sulfate	7376-31-5	<0.1%	None established
Polysiloxane	---	<0.1%	None established

SECTION III - PHYSICAL DATA**BOILING POINT:** 201°F**FREEZING POINT:** N/E**VAPOR PRESSURE:** N/E**VAPOR DENSITY (AIR = 1):** N/E**pH:** 9.4**APPEARANCE & ODOR:** Clear to amber liquid. Mild odor.**SPECIFIC GRAVITY:** 1.02**VOLATILE BY WEIGHT:** N/E**EVAPORATION RATE:** N/E**SOLUBILITY IN WATER:** Soluble**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** >200°F**FLAMMABLE LIMITS (% volume in air):** LEL: N/E UEL: N/E**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 and protective clothing. Cool fire exposed containers with water.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None**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 the eyelids open to ensure flushing of the entire eye surface. Get medical attention, if necessary.

MSDS # 15419-067

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REV. - ECO 0596-248

APRV MR DATE 5/28/96

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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 irritation develops or breathing becomes difficult, obtain medical attention.

Ingestion: DO NOT INDUCE VOMITING! * Rinse mouth with water; give large quantities of water or milk 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: None

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: None.

SECTION VII - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Caution: Material is slippery on wet or hard surfaces.

Small Spills: Take up with sand or other non-combustible 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.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Usually not necessary. If airborne exposure is excessive, Use NIOSH approved equipment. Consult respiratory manufacturer to determine appropriate type equipment for given application.

VENTILATION REQUIRED: Provide general ventilation to minimize exposure.

PROTECTIVE CLOTHING:

Eyes: Safety glasses or chemical goggles.

Skin: Wear chemical resistant gloves and other clothing as required to minimize repeated or prolonged contact.

OTHER PROTECTIVE MEASURES: Eye bath and washing facilities should be available and easily accessible.

SECTION IX - DOT SHIPPING INFORMATION

Proper Shipping Name: None

Hazard Class: Non Hazardous

ID Number: N/A

Label Requirements: N/A

Reportable Quantity: N/A

SECTION X - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Do not get into eyes, on skin/clothing. Do not breathe concentrated vapors. After using product, wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse. Store in tightly sealed containers when not in use. 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.

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SECTION XI - TOXICOLOGY INFORMATION

Eyes: Unknown

Skin: Non-corrosive

Ingestion: Oral rat, LD50: 52,000 mg/Kg

Inhalation: TLV: Not established

Carcinogenicity: NTP, IARC, OSHA: Not listed

SECTION XII ADDITIONAL REGULATORY INFORMATION

FEDERAL LEVEL REGULATIONS:

Toxic Substances Control Act (TSCA Inventory) Status

Found on U.S. EPA TSCA Inventory

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980 requires notification of the National Response Center) (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQ) listed in 40 CFR 302.4:

Chemical Name	CAS Number	Typical Maximum Concentration	RQ lbs.
Triethanolamine dodecyl benzene sulfonate	27323-41-7	0.5%	1,000
Methanol	67-56-1	0.7%	5,000

SARA Title III Sections 302/304, (Superfund Amendments and Reauthorization Act of 1986) - This act requires emergency planning, including agency notification, for possible release of the following components of this material, based on the Threshold Planning Quantities (TPQ) and release Reportable Quantities (RQ) listed for the Components in 40 CFR 355.

Chemical Name	CAS Number	Typical Maximum Concentration
None	NA	NA

SARA - This act requires reporting under the Community Right to Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in 40 CFR 370:

Chemical Name	CAS Number	Hazard Classes *
Methanol	67-56-1	A, C, F

* The five hazard categories are as follows: F = Fire Hazard; S = Sudden Release of Pressure; R = Reactive; A = Immediate (Acute) Health Hazard; C = Delayed (Chronic) Health Hazard.

SARA Title III Sections 313 - This act requires submission of annual reports for releases of the following components of this material if the threshold reporting quantities as listed in 40 CFR 372, are met or exceeded:

Chemical Name	CAS Number	Typical Maximum Concentration
Methanol	67-56-1	0.7%

STATE RIGHT TO KNOW REGULATIONS:

California Proposition 65 - Components present in this material which the State of California has found to cause cancer (carcinogen), birth defects or other reproductive harm (teratogen) are as follows:

Chemical Name	CAS Number	Typical Maximum Concentration
None	NA	NA

Massachusetts Right to Know - The following components of this material are included in the Massachusetts Substance List and are present at the following concentration:

Chemical Name	CAS Number	Typical Maximum Concentration
Triethanolamine dodecyl benzene sulfonate	27323-44-7	0.5%
Methanol	67-56-1	0.7%

Michigan Critical Materials - The following components of this material are included in the Michigan Critical Materials List:

Chemical Name	CAS Number	Typical Maximum Concentration
None Known	NA	NA

New Jersey Right to Know - The following components of this material are included in the New Jersey Hazardous Substance List and are present at the following level:

Chemical Name	CAS Number	Typical Maximum Concentration
Triethanolamine dodecyl benzene sulfonate	27323-44-7	0.5%
Methanol	67-56-1	0.7%
Triethanolamine sulfate	7376-31-5	0.1%

Pennsylvania Right to Know - The following components of this material are included in the Pennsylvania Hazardous Substance List are present at the following level:

Chemical Name	CAS Number	Typical Maximum Concentration
Methanol	67-56-1	0.7%

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SECTION XIII - 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 dilution 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 XIV SYMBOLS/ABBREVIATIONS

< = LESS THAN	N/A = NOT APPLICABLE
> = MORE THAN	N/D = NOT DETERMINED
UNK = UNKNOWN	N/E = NOT ESTABLISHED

The information and recommendations provided in this Material Safety Data Sheet have been obtained fro 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.