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MATERIAL SAFETY DATA SHEET

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GIBCO'S MRF

Date Revised: June 23, 2005

TRADE NAME: GIBCO'S MRF

SECTION I - PRODUCT IDENTIFICATION

CHEMICAL FAMILY: ROSIN
FORMULA PROPRIETARY

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS REGISTRY	PERCENT	TLV	OSHA PEL
Ammonia	7664-41-7	<.01%	10 ppm	50 ppm

TRANSPORTATION: Not regulated by DOT

SECTION III - PHYSICAL DATA

BOILING POINT: 190 degrees F	SPECIFIC GRAVITY: 1040
VAPOR PRESSURE : N/A	MELTING POINT: N/A
VAPOR DENSITY (Air = 1) : N/A	EVAPORATION RATE: N/A
SOLUBILITY IN WATER: Soluble	
APPEARANCE AND ODOR: Brown Liquid - ODOR : Wood Pulp with ammonia odor.	

SECTION IV - FIRE & EXPLOSION DATA

FLASH POINT (Method Used): Will not Flash N/A FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: Water spray, dry chemical, foam, carbon dioxide or halon may be used on fires involving this product.
FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear when fighting fires involving this product.
CONDITIONS TO AVOID: Strong oxidizing agents, metallic sodium, potassium and lithium.



SECTION V – REACTIVITY DATA

STABILITY: Stable

MATERIALS TO AVOID : None

CONDITIONS TO AVOID: None Known

HAZARDOUS DECOMPOSITIONS PRODUCTS :None anticipated under normal or recommended handling and storage conditions.

HAZARDOUS POLYMERIZATION : Not anticipated under normal or recommended handling and storage conditions

INCOMPATIBLE MATERIALS: None known

SECTION VI – HEALTH HAZARD DATA

EXPOSURE LIMITS: Not established for this product.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None

NTP: No

IARC Monographs: No

OSHA: No

EYES: May cause irritation

SKIN: May cause irritation

INHALATION: May cause irritation

INGESTION: None known

MEDICAL CONDITIONS: This product contains rosin or a rosin derivative. May cause an allergic skin reaction, unaware of any reaction for industrial use. In case of contact, immediately flush with plenty of low-pressure water for at least 15 minutes.

SECTION VII– HANDLING & STORAGE

GENERAL MEASURES: Do not allow materials to freeze. Do not store in temperatures above 120 degrees F.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses. Impervious gloves. Appropriate protective clothing. Appropriate respiratory protection is required when exposure to airborne contaminants may exceed acceptable limits.

WASTE DISPOSAL METHODS: Incinerate in a approved incinerator or dispose of properly permitted chemical.

MATERIAL SPILLED OR RELEASED: Clean up with water before allowing to dry.

SECTION VIII – ECOLOGICAL

ECOTOXICOLOGICAL INFORMATION: Based on current data for this or similar materials, this product is assumed to be readily biodegradable.

SECTION IX – TRANSPORT INFORMATION

GENERAL: This product is not subject to DOT, ICAO, IMDG or ADR regulations.



SECTION X - REGULATORY INFORMATION

CHEMICAL INVENTORIES:

U.S. TSCA : Included on TSCA Inventory

European EINECS : Included on EINECS list.

Canadian CEPA : Included on DSL Inventory

SARA TITLE III – SECTIONS 302/304: This product is not an EXTREMELY HAZARDOUS SUBSTANCE subject to reporting under 40CFR355.

SARA TITLE III – SECTION 311/312: NPH: Not a physical hazard HC-1: Acute health hazard.

SARA TITLE III – SECTION 313: This product does not contain any chemicals subject to reporting under Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40CFR372.

SECTION XI – OTHER INFORMATION

DISCLAIMER:

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligation under any applicable federal or state laws. GIBCO Industries, Inc. makes no warranty expressed or implied, with respect to the completeness or accuracy of the information contained herein and disclaims all liability for reliance herein.

