

HB CHEMICAL COMPANY

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Date: Dec. 22, 2009

Material Safety Data Sheet

SECTION I CHEMICAL and COMPANY IDENTIFICATION

PRODUCT: *Kosyn KNB-35LM, 35H, 35L, 35LL, 25LM, 25H, 40M, 40H*

CHEMICAL NAME: Acrylonitrile-butadiene Rubber

COMMON/GENERIC NAME: NBR or Nitrile

CHEMICAL FAMILY: *Nitrile*

MANUFACTURER: Korea Kumho Petrochemical Company

SUPPLIER: H B CHEMICAL COMPANY, Cuyahoga Falls, OH -Customer Service 330-920-8023

EMERGENCY NUMBERS: *CHEMTREC 800-424-9300 CANUTEC(Canada) 613-996-6666*

SECTION II COMPOSITION / INGREDIENT INFORMATION

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
COMPOSITION: acrylonitrile-butadiene copolymer: CAS: 9003-18-3 (100%)	Not Established	Not Established
Acrylonitrile: (<10ppm) CAS: 107-13-1	2ppm TWA 1ppm AL	2ppm A2, skin
Butadiene (<.2ppm) CAS#: 106-99-0	1ppm TWA 5ppm STEL 0.5 ppm AL	2ppm A2

SECTION III/IV HAZARDS / FIRST AID PROCEDURES

EMERGENCY OVERVIEW: A light yellow or white bale, which is not normally irritating to eyes and skin. Ingestion and prolonged contact should be avoided

EYE: Flush eyes with water for 15 min. Call a physician if irritation develops.

SKIN: Wash skin with soap and water. If in contact with hot product, treat as a burn.

INGESTION: Do not induce vomiting. Never give anything by mouth to unconscious person. Seek medical attention.

INHALATION: Remove to fresh air; give artificial respiration or oxygen if necessary.

TOXICITY: No significant adverse effects expected. Not considered toxic/hazardous.

CARCINOGENICITY: None Known

IN ALL CASES OF EMERGENCY, CONTACT A PHYSICIAN

SECTION V FIRE AND EXPLOSION INFORMATION

FLASH POINT Not Determined

FIRE-FIGHTING PROCEDURES: Use Chemical foam, CO₂, Dry Chemical, water fog. Treat as

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Fax 330-920-0971

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burning oil. Keep drums as cool as possible to avoid expansion, explosions, and splattering.

HAZARDOUS COMBUSTION PRODUCTS: This product will decompose under extreme temperatures forming oxides of carbon and nitrogen. It can also produce toxic/corrosive gases under decomposition conditions.

PROTECTIVE EQUIPMENT: Firefighters should wear Self-contained Breathing Apparatus

SECTION VI SPILLS AND ENVIRONMENTAL INFORMATION

SPILL OR LEAK PRECAUTIONS: Wear appropriate protective clothing, gloves and equipment. Pick up spilled material. Transfer to secure containers and dispose of according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Prevent run-off into sewers or natural waterways. Spills in excess of the RQ must be reported to the local emergency response organizations. Major spills should also be reported to the National Response Center. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802)

WASTE DISPOSAL: All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

SECTION VII HANDLING AND STORAGE

Store in sealed containers in dry, ambient temperature conditions.

SECTION VIII EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION: Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.

RESPIRATORY AND PERSONAL PROTECTION: Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging. Safety glasses with side shields; gloves, boots and apron as appropriate.

FACILITIES: There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

SECTION IX PHYSICAL AND CHEMICAL INFORMATION

Appearance: Yellow/white rubbery bale
Specific Gravity @25°C = 1.00 – 1.02
Vapor Pressure: ND
Viscosity cPs (25°C) = Not Applicable

Evaporation Rate: < 1 (butyl acetate=1)
Boiling Point: Not Applicable
Refractive Index 25°C: Not Applicable
Solubility in Water: Not Soluble

SECTION X STABILITY AND REACTIVITY

Under normal storage conditions, this product a) is stable; b) will not polymerize or exotherm; c) should be kept away from extreme heat, strong oxidizers and bases; d) this product decomposes under high temperature and hydrolyses in humid conditions.

SECTION XI TOXICOLOGICAL INFORMATION

NA

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available.

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SECTION XIII

DISPOSAL CONSIDERATIONS

Incineration by a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations. For spill clean-up procedures see Sect.VI.

SECTION XIV

TRANSPORTATION INFORMATION

DOT: Not restricted. Label: Product trade name with chemical description.

CANADA TRANSPORT HAZ.GOODS: Not restricted.

AIR (IATA/ICAO): Not restricted. Label: Product trade name with chemical description.

EUROPEAN TRANSPORTATION: ADR/RID HAZ. CLASS: Not regulated.

US CUSTOMS: - HARMONIZED TARIFF CODE: 4002.59.00.00

SECTION XV

REGULATORY INFORMATION

OSHA: Not regulated

SARA TITLE III: - 311/312 CATEGORIES: Not listed

“ “ - 313 Reportable ingredients: None

CERCLA RQ: Not Determined.

RCRA Status:

TSCA REGULATORY: All intentional ingredients are listed in the TSCA Inventory.

CANADA WHMIS HAZARD SYMBOL AND CLASS: Not Regulated

CANADA INGREDIENT DISCLOSURE LIST: Does not contain any ingredients on the IDL. All intentional ingredients are on the DSL.

SECTION XVI OTHER INFORMATION

HMIS Label: Health: 1
Fire: 1
Reactivity: 0
Protection: C

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other or additional considerations.

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