DSM Elastômeros Brasil



Supersedes:

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Material Safety Data Sheet Keltan® EPM 13

GENERAL INFORMATION 1

Chemical Name:

Ethylene, propylene, copolymer rubber (EPM) CAS Number: 9010-79-1

CAS Name (rubber only):

1-Propene, polymer with ethene Product Use: Rubber articles and rubber modified articles

2. CHEMICAL COMPOSITION

> Ingredient **EPM**

CAS# 9010-79-1

Hazard Classification NH

PHYSICAL DATA 3.

Physical State:

Bales

Odor: White to amber

Odor Threshold:

none to slight NE 0.86-0.88

Appearance: Melting/Freezing Points:

NA NA

Specific Gravity (range): Boiling Point: Volatiles (% by weight, @105°C):

NA

1.0 max

Vapor Pressure: Vapor Density: Solubility in Water at 20°C: Coefficient in Water/Oil Distribution:

NA

Insoluble NE

Evaporation rate: pH:

NA NA

NFPA Classification: Fire 1, Others 0 FIRE AND EXPLOSION HAZARD DATA >300°C, COC

Flash Point, Method: **Auto Ignition Temperature:** Ignition Temperature:

Above 350°C (730°F) >200°C, 392°F

Upper/Lower Flammable Limits:

Upper/Lower Explosive Level:

NA. NE

Combustible: No, but the product will burn if ignited. Hazardous Combustion Products:

Carbon monoxide, carbon dioxide, products from incomplete combustion, and various

ExtInguishing Media: Special Fire Fighting Procedure: hydrocarbons. All fire extinguishing media permitted - foam or water fog recommended.

During emergency conditions, exposure to thermal decomposition products may cause a

health hazard. Use of NIOSH approved self-contained breathing apparatus is recommended.

Sensitivity to Static Discharge:

NA Sensitivity to Impact/Shock: NA

PROTECTIVE AND PREVENTIVE MEASURES

Personal Protective Equipment

Exposure Guidelines:

Eye: Wear Salety glasses. Skin: Wear clothing appropriate to prevent skin contact. Where contact may occur with hot

respirator with mechanical filtration.

material, wear thermal resistant gloves, arm protection, and a face shield.

Respiratory: Not normally required at ambient temperatures. If processing in area where

Handling Procedures and Equipment.

Avoid skin and eye contact, practice good personal hygiene. Avoid inhalation of furnes/vapors from hot rubbers, compounds and vulcanizes. Local exhaust ventilation is recommended during all hot processing operations.

ventilation is inadequate or ignition has occurred, wear a NIOSH-approved organic vapor

Engineering Controls:

NA

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6. SPECIAL REGULATORY HAZARD CLASSIFICATIONS FOR HEALTH, SAFETY, AND FOOD OSHA: This product is not hazardous under the Hazard Communication Standard, 29 CFR 1910 1200. FDA These grades are approved for use in complying with 21 CFR 177,2600, "Rubber Articles Intended for Repeated Use." TSCA-Components of these products are listed under TSCA Chemical Substance Inventory. TRANSPORTATION United States DOT: Designation and labeling are not applicable, as products are not defined CLASSIFICATIONS: or designated as a hazardous material by U.S. Department of Transportation under Title 49 of CFR. Canada: These products are not regulated under the Canadian Transportation of Danoerous Goods Regulations. IATA: These products are not requisted under the International Air Transport Association Dangerous Goods regulations. SARA TINA III: Section 302/304. Extremely Hazardous Substances - None. Section 311. Hazardous Substances - Not Applicable. Section 313. This product is not subject to reporting requirements. CEPA-Components of these products are included in Canada's DSL. EC: The European Commission does not consider these products hazardous. WHMIS. These products are not considered Controlled Products under Canada's Workplace Hazardous Material Information System 7. TOXICOLOGY AND HEALTH DATA Medical Conditions Some individuals with specific sensitivities may exhibit eye, nose, throat or thermal imitation Aggravated by Exposure: with prolonged exposure to processing fumes. Individuals with pre-existing skin disorders should avoid contact with this material. Specific Hazard: No acute or chronic hazards or effects are known. Eve Contact: Not a probable route of exposure. Particulates may scratch eye surface or Routes of Exposure: cause mild inflation Skin Contact: A single prolonged exposure is not likely to result in material being absorped through the skin in harmful amounts. Repeated, prolonged exposure may cause mild skin imitation in some individuals. Exposure to not material may cause thermal burns. Ingestion: Not a probable route of exposure. Inhalation: Not a probable route of exposure under conditions of normal use. Hot fumes or vapors that may form during processing or burning can cause imitation to the respiratory tract. Toxicology Information: Reproductive Effects: None reported Mutagenicity: None reported LD50 = NE LC50 = NATetragenicity: None reported Carcinogenicity: None reported. **EMERGENCY AND FIRST AID PROCEDURES**

- Remove as for any foreign object. Flush with clean water for 15 minutes. Obtain medical
- attention if imitation pensists. Wash with soap and water. If thermal initation, flush affected area with cold water to dissipate heat, then cover with clean cotton sheeting or gauze and get prompt medical attention. If furnes/vapors are inhaled, move to fresh air, aid breathing if necessary. Obtain medical

- Skin Contact: Inhalation: Ingestion:

Eve Contact:

Chemical Stability:

Conditions to Avold:

Disposal information:

Storage:

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- - - attention if imitation persists. Unlikely to occur.
- CHEMICAL REACTIVITY

 - Product is stable at ambient temperature and pressure. High temperature, 300°-350°C(572°-662°F) will cause thermal decomposition; ignition source.
 - None known. Carbon monoxide, carbon dioxide, various hydrocarbons, silicates and partially oxidized
- Incompatibility with other Materials: Hazardous Decomposition Products: hydrocarbons.
- Hazardous Polymerization: SPILLS, DISPOSAL, STORAGE GUIDELINES Spill and Release Information:
 - - Will not occur.
- - regulations.
 - Repackage uncontaminated rubber. Reuse or dispose of as noted below. Reuse if possible. Material as supplied is not characterized as hazardous under RCRA. Dispose in accordance with local, state, and federal regulations and applicable environmental
 - Store below 35°C (95°F) in dry area and in the absence of direct, natural, or artificial light.

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ADDITIONAL INFORMATION, ABBREVIATIONS AND NOTICES TO USER CAS: Chemical Abstract Service American Conference of Governmental Industrial Hygienists ACGIH: Code of Federal Regulations Canadian Environmental Protection Act CFR: CEPA: DSL: Domestic Substance List DOT: Department of Transportation NA: Not applicable EPA: Environmental Protection Agency Not established European Economic Community NE: EEC: NH: Not hazardous Food and Drug Administration (U.S.) FDA: Permissible Exposure Limits International Agency for Research on Cancer PEL: IARC: Threshold Limit Value National Fire Protection Association TLV: NFPA: TSCA: Toxic Substance Control Act Resource and Conservation Recovery Act RCRA: The concentration in air that causes death in 50% of the animals exposed LC50: The dose that causes death in 50% of the animals exposed LD50: Milligrams (mg) of substance per cubic meter (m3) of air; method of expressing the concentration of a substance mg/m³: in air IATA: International Air Transportation Association National Institute for Occupational Safety and Health NIOSH: Occupational Safety and Health Administration OSHA: Superfund Amendments and Reauthorization Act SARA: Workplace Hazardous Material Information System WHMIS:

Not Required

WHMIS: Not Required

OSHA:

NOTICE:

LABELS

11.

of any nature resulting from the use of or reliance upon the information contained herein.

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Although the information contained in this MSDS is believed to be correct as of the date hereof, DSM Elastômeros Brasil

makes no representation as to the completeness or accuracy thereof. Those who utilize the product described herein are responsible for determining (a) the suitability of the product for the intended use and (b) the appropriate manner of processing the product to insure safety and quality. In no event DSM Elastômeros Brasil will be responsible for damages

Brasil