

# MATERIAL SAFETY DATA SHEET

This MSDS was established by Jan. 3. 2009

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	KEPA ( Maleic Anhydride Modified Etylene Propylene Elastmer)
Supplier/Manufacturer	KUMHO POLYCHEM CO., LTD.
	#144-6, Weoulha-dong, Yeosu-City, Cheonranam-Do, Korea
Emergency Telephone Number	(82-61) 688-2840

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	Etylene Propylene Copolymer (CAS No. 9010-79-1)
	Etylene Propylene Terpolymer (CAS No. 25038-36-2)
	Polypropylene (CAS No. 9003-07-0)

## 3. HAZARD IDENTIFICATION

Main Hazards	The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.
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Health Effects - Eyes	Particulates may scratch eye surfaces/cause mechanical irritation.
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Health Effects - Skin	No hazard in normal industrial use. Exposure to hot material may cause thermal burns.
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Health Effects - Ingestion

Health Effects - Inhalation

## 4. FIRST AID MEASURES

Skin contact	For hot product, immediately immerse in or flush the affected area with large amount of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminating clothing, as the damaged flesh can be easily torn.
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Inhalation	Using proper respiratory protection, immediately remove
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the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

<b>Eye contact</b>	In the case of contact with eyes, Cleanes immediately with plenty of water and seek medical advice
<b>Ingestion</b>	First aid is normally not required.
<b>Spiliages</b>	Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply to fire. Extinguish the fire by cooling with water spray. Respiratory and eye protection required for fire fighting personnel.
<b>Special Hazards of Product</b>	Under Oxygen lean conditions. Carbon Monoxide (CO) and irritating smoke may be produced.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Land spill</b>	Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
<b>Water spill</b>	Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Provide appropriate exhaust ventilation at machinery. Provide appropriate exhaust ventilation at p where dust is forward
<b>Storage</b>	Avoid the heat or sunlight

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>UK Occupational Exposure Standards</b>	For open systems at ambient temperatures(-18 ~ 38 / 0 ~ 101 ) where contact is likely, wear safety resi-
<b>Respiratory Protection</b>	stance is likely, wear safety resistant glasses.
<b>Eye Protection</b>	Where contact may occur with hot material, wear thermal
<b>Body Protection</b>	resistant gloves, arm protection, and a face shield.

## 9. PHYSICAL AND CHEMICAL DATA

<b>Physical State</b>	White to slight yellow pellet
<b>Flash point (PMCO) ( )</b>	Not Applicable
<b>Solubility In Water (kg/m3)</b>	Insoluble
<b>Vapour Pressure (kPa)</b>	Not Applicable
<b>Density (kg/m3)</b>	860
<b>Pour Point ( )</b>	Not Applicable

## 10 STABILITY AND REACTIVITY

<b>Conditions to avoids</b>	temperatuues above 350
<b>Materials to avoids</b>	Strong acids and

## 11 TOXICOLOGICAL INFORMATION

<b>Irritancy - Eyes</b>	Inhalation - negligible hazard at ambient temperature
<b>Irritancy - Skin</b>	(-18 to 38 )
<b>Sub-acute/Subchronic Toxicity</b>	Skin contact : no hazard in normal industrial use.
<b>Human Data</b>	exposure to hot material may cause thermal burns. Eye contact : particulates may scratch eye surface/ cause mechanical irritation. Ingestion : no hazard in normal industrial use.

## 12 ECOLOGICAL INFORMATION

This product is not regulated.

## 13 DISPOSAL CONSIDERATION

Observe the all regulations made by Administration.

## 14 TRANSPORT INFORMATION

This product is not DOT regulated.

## 15 REGULATORY INFORMATION

TSCA : If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act ( CERCLA ) and must be reported to the National Response Center by calling 800-4424-8802(In U.S.A) and KEPR(0662-688-2830)The reportable spill quantity of this product is 5,880pounds.This product contains : n-Hexane, CAS No. 110-54-3

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SARA TITLE : Under the provisions of Title , Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories : Not Hazardous. This product does not contain Section 313 Reportable Ingredients.