



## MATERIAL SAFETY DATA SHEET

# ETHYLENE PROPYLENE DIENE MONOMER

### PRODUCT IDENTIFICATION

**Product Name:** Ethylene Propylene Rubber

SUBSTANCE NAME	CAS NO.	EC NO.
Ethylene propylene 5-ethylidene- 2-norbornene	25038-36-2	618-455-4
Ethylene propylene Copolymer	9010-79-1	None

### Physical and Chemical Properties

DESCRIPTION	SOLID™
Specific Gravity	0.86 ~ 0.89
Water Solubility	Insoluble in water
Flash Point (Method used)	250°C
Auto Ignition temperature	Not applicable
Flammable Limits	Not applicable
Appearance and Odour	Slight Odour
Colour	White or Yellow-Green
PH	Not Applicable
Melting point / Freezing Point	Not applicable
Initial boiling point	Not applicable
Evaporation rate	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Partition coefficient	Not applicable



Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not applicable

#### Health Hazard Data

There is no known adverse health effects associated with the normal use of this material

#### First Aid Measures

Eye Contact	If in an eye, remove in the same manner as one would when any solid object enters the eye since the product is an inert solid.
Skin Contact	If the skin is in contact with the heated product, immediately immerse in or flush the affected area with a large amount of cold water to dissipate heat. Cover with clean cotton sheet or gauze and get prompt medical attention. No attempt should be made to remove the heated product from the affected skin or to remove the contaminating clothing as the damaged flesh can easily be torn.
Ingestion	First aid is normally not required
Inhalation	Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep the affected victim at rest. Call for prompt medical attention

#### Fire Fighting Measures

Flash Point	250°C
Extinguishing Media	Foam Carbon dioxide Water spray
Hazardous Combustion Products:	Due to thermal decomposition and incomplete combustion gases such as black smoke, carbon monoxide and other toxic gases, danger based on inhalation of such gases may occur.



### Accidental Release Measures

Personal precautions, protective equipment and emergency	Wear protective gloves
Environmental precautions	Pay attention so that product does not flow into the sewage or public water area.
Methods and material for containment and cleaning up	Sweep up the scattered product and recover into a suitable container.

### Handling and Storage

Handling	Do not handle until all safety precautions have been read and understood.
Storage	Keep away from heat, direct sunlight and ultraviolet rays. Exposure to direct sunlight and ultraviolet rays cause the polymer to generate light-induced crosslinked gel in the product. Avoid wetting and abrupt temperature change when storing this material. Please store product at room temperature, and keep it dry. Especially, high ethylene type EP (D) M should be stored in a warm room for more than 48hours prior to use and process

### Exposure Controls

ACGIH regulation	No information available
Biological exposure index	No information available
OSHA regulation	No information available
NIOSH regulation	No information available
EU regulation	No information available

### Personal Protection

Respiratory Protection	Use a protective mask as required
Skin Protection	Use protective gloves as required & Use work clothes and safety shoes as required
Eye Protection	Install equipment to wash the hands and eyes nearby, Wear protective glasses as required



Other Protective Equipment	Since volatile matters will be generated at the time of mixing, processing and moulding work, install equipment to wash the hands and eyes nearby. Prevent entry into waterways, sewers, basements or confined areas.
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#### Stability and Reactivity

Stability	Stable at normal temperature and pressure
Incompatibility / Conditions to avoid	Not applicable
Hazardous Polymerization	Polymerization does not occur
Hazardous Decomposition	Not applicable

#### Toxicological Information

Acute toxicity;	Not applicable
Oral	Not applicable
Dermal	Not applicable
Inhalation	Not applicable
Skin Corrosion/ Irritation;	Not applicable
Serious Eye Damage/ Irritation;	Not applicable
Respiratory sensitization;	Not applicable
Skin Sensitization;	Not applicable
Carcinogenicity;	Not applicable
Mutagenicity;	Not applicable
Reproductive toxicity;	Not applicable
Specific target organ toxicity (single exposure);	Not applicable
Specific target organ toxicity (repeat exposure);	Not applicable
Aspiration Hazard;	Not applicable



#### Environmental Information

Acute toxicity	No information available
Chronic toxicity	No information available
Persistence and degradability	No information available
Bioaccumulative potential	No information available
Mobility in soil	No information available
Results of PBT and vPvB assessment	No information available
Other adverse effects	No information available

#### Disposal Considerations

Disposal Methods	Observe all regulations made by administration
Precautions for disposal	Observe all regulations made by administration

#### Transport Information

Proper Shipping Name	Not applicable to the criteria for classification
UN Number	Not applicable to the criteria for classification
Hazard Class / Packing Group	Not applicable to the criteria for classification
Environmental hazards	Not applicable to the criteria for classification
Special precautions for user in	Not applicable
Special precautions for user in	Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

#### Disclaimer

To the best of our knowledge the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy or completeness of such information. We strongly recommend that users seek and adhere to the manufacturer's or supplier's current instructions for handling each material they use and they satisfy themselves that they can meet all applicable safety and health standards. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained