

Material Safety Data Sheet

EPDM

Section 1 - Product Identification

Synonyms : Ethylene Propylene Diene Monomer
Company Identification : Tradeasia International Pte. Limited
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Recommended use of the chemical and restrictions on use
The product is used in particular:
-crude product for the production of technical rubber articles

Section 2 – Composition/Information on Ingredients

Chemical Nature

Ethylene-propylene-diene-rubber (EPDM)

CAS Number	Weight %
25038-36-2	100

Impurities/ Additives
None

Section 3 – Hazards Identification

Potential Health Effects:

Possible routes of entry include skin & eye contact and process vapor or dust inhalation. Smokers should avoid contamination of tobacco products with product and should wash their hands before smoking.

Section 4 – First-Aid Measures

4.1. Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

In case of inhalation of flue gases from overheating or combustion, attend to fresh air. Obtain medical attention if irritation persists.

In case of skin contact

If skin irritation appears, wash with water

In case of eye contact

Flush eyes with plenty of water. Consult a physician if symptoms persist.

Ingestion

Not expected to occur during normal use of product.

Notes for the doctor

No data available

Section 5 – Fire Fighting Measures

Extinguishing Media: Water, Foam, Dry Chemical, CO2

Fire Fighting Instructions: Wear self-contained breathing apparatus. Wear full protective equipment.

Exposure Hazards: Decomposition products see section 10

Section 6 – Accidental Release Measures

Safeguards (Personnel)

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean up

Sweep up to avoid slipping hazard.

Section 7 – Handling and Storage

Handling:

Protect against fire.

Storage:

Store in cool, dry place away from direct light to maintain quality

Section 8 – Exposure Controls/Personal Protection

Engineering Controls

Ventilation

Vapors and fumes liberated from compounds during hot cured processing should be exhausted from work areas to maintain the ambient workplace atmosphere below the limits in section 2.

Personal Protective

Equipment Respirators

When temperature exceeds 200°C and ventilation is inadequate to maintain concentration below exposure limits, use a positive pressure air supplied respirator. Air purifying respirators may not provide adequate protection.

Protective Clothing

If there is potential contact with hot/molten material, wear heat resistant clothing and footwear. Do not touch decomposed parts even when cool. Neoprene gloves recommended.

Section 9 – Physical and Chemical Properties

10.1. Information on basic physical and chemical properties

Physical Data:

Melting Point:	NA
% Volatiles:	NA
Solubility in Water:	Insoluble
Odor:	None
Color:	Black

Appearance: Solid
Specific Gravity: 1.09

Section 10 – Stability and Reactivity

Chemical Stability

Stable at normal temperature and storage condition.

Conditions to avoid

Overheating

Incompatibility with other materials

No specific information is available, however strong oxidizers or reducing agents which generally not compatible with compounds.

Hazardous Decomposition Products

Fumes produced when heated to decomposition temperatures may contain carbon monoxide, carbon dioxide, hydrogen cyanide, oxides of nitrogen, and small amounts of aromatic and aliphatic hydrocarbons. Combustion products from rubber, like those of other natural and synthetic materials, must be considered toxic.

Section 11 – Toxicological Information

No information is available.

Section 12 – Ecological Information

No information is available.

Section 14 – Disposal Considerations

Waste disposal

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled, but incinerator must be capable of scrubbing out acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Section 15 – Transport Information

Shipping information

DOT

Proper shipping name: not regulated

Hazard class: not regulated

Section 16 – Regulatory Information

No marking necessary, see local and federal regulations

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