Material Safety Datasheet:

1. SUBSTANCE / PREPARATION AND COMPANY NAME

Material	**EPDM**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	% by weight	CLASSIFICATION		NOTES
			Symbol	**R & S Phrases**	
EPDM polymer	25038-36-2	>20%			
Parathenic oil	64741-89-5	<25%			
Fillers	1333-86-4 471-34-1	>50%			
Curative/Process aids	1314-13-2 1305-78-8 14324-55-1 1317-26-8 102-06-07	<5%	Xn, Xi, N	R20/22 R36/38,R41 R40,R43, R48/22 R50/53,R62 S23,25,26,27, S36,37,39,S57 S60,61	**Risks greatly reduced by polymer binding** NONE OF THESE MATERIALS ARE ON THE CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN.

3. HAZARDS IDENTIFICATION

Critical Hazard	No significant hazards
Main Hazard	Whilst this compound contains hazardous ingredients, they are safely bound up in the solid phase and are not freely available at normal temperatures.
Inhalation	Exposure to fume at high temperature may have the following effects - Irritation of nose, throat and respiratory tract.
Skin Contact	Material may cause irritation on prolonged or repeated contact.
Eye Contact	May cause irritation
Ingestion	Swallowing may have the following effects - gastrointestinal irritation.

4. FIRST AID MEASURES

Eye Contact	Wash eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention if ill effect or irritation develops.
Skin Contact	Wash off with soap and plenty of water. Cool skin rapidly with cold water after contact with hot polymer. Do not try to peel polymer from the skin. Obtain medical attention
Ingestion	Wash out mouth with water. Do not induce vomiting.
Inhalation	Move to fresh air in case of accidental inhalation of dust and fumes or from overheating or combustion. Consult a physician after significant exposure.
Advice to Physician	Low acute systemic toxicity. No specific antidotal treatment. Symptomatic support required.

5. FIRE FIGHTING MEASURES	
Extinguishing Media	Use water spray, foam, dry chemical. Keep packaging and surroundings cool with water spray.
Special Precautions	As supplied, product presents no explosion hazard. The products, when burning, may produce dense and toxic fumes.
Protective Equipment for Firefighting	Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

6. ACCIDENTAL RELEASE MEASURES	
Personal Precautions	Minimise contact with skin and eyes. Wear gloves
Environmental Precautions	Dispose of in accordance with local regulations.
Spillages	Take up with suitable equipment. Collect spilled material in suitable containers and seal. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE	
Handling	Avoid contact with skin and eyes. Wash hands thoroughly after handling.
Storage	Keep in a cool, dry place out of direct sunlight. Store only in the original packaging.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION	
General Protection	Good personal hygiene should be observed including normal washing with soap and water. All workers should be provided with suitable protective clothing. Before eating, employees should be encouraged to wash exposed areas of skin and to change their outer clothing.
Respiratory Protection	Good general ventilation. Local exhaust ventilation may be required where compound is processed at elevated temperatures. Respirator must be worn if exposed to dust or fume. Avoid inhalation of vapours created during the cure cycle.
Hand Protection	Barrier creams may be applied to the skin prior to starting work. Wear gloves.
Eye Protection	Appropriate protective equipment to prevent particulate may be required.
Decomposition Products	OEL Rubber Fume - MEL 0.6mg/m^3 (8hr TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES	
Form	Continuous strip
Odour	Slight
Decomposition Temperature	>200°C
Relative Density	As per specification
Solubility (Water)	Insoluble
This data shows typical values and is believed to be accurate, however, no warranty is given and these values should not be taken as a specification.	

10. STABLITY AND REACTIVITY	
Conditions to Avoid	Extensive heating above 200°C can result in decomposition
Incompatibility (Materials to avoid)	Avoid strong oxidisers

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Hazardous decomposition products	When overheated or in a fire, decomposition products may contain oxides of carbon, oxides of nitrogen, oxides of sulphur and small amounts of aliphatic and aromatic hydrocarbons.
Further information	Combustion products from rubber like those of other natural and synthetic materials must be considered toxic.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	None
Local Effects	May cause skin irritation in susceptible people.

12. ECOLOGICAL INFORMATION

Biodegradability	Poor.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products	In accordance with local regulations
Contaminated packaging	In accordance with local regulations

14. TRANSPORT INFORMATION

ADR/RD - Class	Not classified
IMDG - Class	Not classified
IATA - Class	Not classified

15. REGULATORY INFORMATION

Classification	Not classified
Risk Phrases	None
Safety Phrases	S38 - In case of insufficient ventilation, wear suitable respiratory equipment

16. OTHER INFORMATION

BRMA Code of Practice - Toxicity and Safe Handling of Rubber Chemicals 3rd Edition.
This advice is given by Premier Sealant Systems Ltd who accept no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not, therefore, guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.