

 <p><b>AQUARIUS RUBBER</b></p>	<p><b>AQUARIUS RUBBER (AUST) PTY LTD</b>  ABN 79 502 567 531  PO Box 9060 Scoresby VIC 3179 Australia  <b>46 Rushdale St Knoxfield VIC 3180 Australia</b>  Telephone: +61 3 9763 0044 Facsimile: +61 3 9764 1266  Email: <a href="mailto:admin@aquariusrubber.com.au">admin@aquariusrubber.com.au</a> Website: <a href="http://www.aquariusrubber.com.au">www.aquariusrubber.com.au</a></p>	 <p>Certified System  Quality  ISO 9001  SAI GLOBAL</p>
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Identity: **F3490 - Aquarius Rubber E.P.D.M. Flashing COMPOUND.**  
Ethylene Propylene Diene Monomer

EMERGENCY Ph: +61 2 9602 2611  
DATE PREPARED: 1.07.09  
PREPARER: Laboratory

PRODUCT USE: General purpose moulding

**COMPOSITION**

Mineral filler, and Carbon Black reinforced. Zinc Oxide and Stearic Acid activation. Paraffinic oil plasticisation. Amine derived antioxidant. Organic Accelerators in combination with sulphur for conventional curing. Miscellaneous additives including Process Aids and Activators.

**HAZARD IDENTIFICATION**

Apart from the onset of cure, E.P.D.M. compounds are quite stable up to curing temperatures. However, after prolonged heating above these temperatures they will start to decompose, finally emitting fumes and vapours around 250°C, which may be toxic and flammable.

**FIRST AID**

Eye Contact

In the event of eye contact with fumes, decomposition products or hot compound, immediately flush with plenty of water.

**Skin Contact**

In the event of skin contact with hot compound or decomposition products, cool skin rapidly with cold water and wash off with soap and water.

**Inhalation**

If fumes, decomposition products or high temperature emitted vapours are inhaled, move to fresh air. In cases of extreme exposure consult a doctor.

**FIRE FIGHTING MEASURES**

Ignition Temperature

Polymer	>	200°C
Compounds	>	200°C

**Hazardous Decomposition Products**

E.P.D.M. compounds are combustible and generate Carbon Monoxide, Hydrocarbons and complex fumes derived from the decomposition products of Organic Accelerators, Antioxidants, Plasticisers and Process Aids.

**Extinguishing Media**

Water. Foam. Carbon Dioxide. Dry Chemical.

**Protective Clothing**

In the event of fire wear self-contained breathing apparatus and a protective suit.

## **HANDLING AND STORAGE**

Store compound below 25°C.

Store compound in absence of direct light.

Do not consume food when handling compound.

Avoid inhalation of curing fume and vapours.

Ensure maintenance of personal hygiene standards.

## **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Volatile materials may be evolved from Rubber compounds during cure and, in general, the higher the temperature the more concentrated are the fumes in the surrounding atmosphere.

The composition of Rubber fume is complex but emissions from E.P.D.M. compounds are known to contain Carbon Dioxide, Water, and traces of Nitrosamines and Polycyclic Hydrocarbons from certain additives.

The C.O.S.H.H. regulations of 1988 state that rubber fume be contained within a maximum exposure level, M.E.L., of 0.75 mg/m<sup>3</sup> measured by personal operator sampling, and expressed as an 8 hour time weighted average. This limit has now been reduced to 0.6 mg/m<sup>3</sup> since January 1990.

When moulding, extruding and curing E.P.D.M. compounds, operate at temperatures as low as is reasonably compatible with economic throughput. Sufficient local exhaust ventilation must be provided at processing centres to ensure compliance with the regulations and the protection and safe working of process operators.

### ***PHYSICAL DATA***

Specific Gravity 1.17 - 1.19.

Slab containing some surface anti-tack agent.

### **DISCLAIMER**

This material Safety Data Sheet has been developed according to NOHSC guidelines. It is believed that the information given in this MSDS is accurate at this date. The information and recommendations made herein are offered in good faith and without acceptance of responsibility for its accuracy. Aquarius Rubber AUSTRALIA recommends that all users of these products satisfy themselves that this product is used in an appropriate manner and is suitable for the use intended. No representations or warranties of any kind, expressed or implied, are given.