

## MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

**Product name** Vulcanising Rubber 15.100.061  
**Other names** Vulcanising Rubber 15.100.062  
**Recommended use:** Stamp Rubber

**Supplier name** Astron Industries Pty Ltd  
**Address** 8-10 Norwich Avenue  
Thomastown, Victoria, 3074  
**Telephone no.** 03 9460 7577 (09:00 – 17:00 hours)

### SECTION 2: HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS based on NOHSC (National Occupational Health & Safety Commission) :1008 (2004).

**Inhalation** Not applicable  
**Ingestion** Not applicable  
**Eye contact** Not applicable  
**Skin contact** Natural rubber based compound, unlikely to affect many individuals.

It is the fumes and vapours that may be generated during product processing that may be hazardous rather than the Natural rubber based compound.

### SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Vulcanised rubber. Mineral filler reinforced. Stearic acid activation. Phenolic derived antioxidants. Organic accelerators in combination with Sulphur for conventional curing. Miscellaneous additives include pigments, vulcanized oils, lubricants, process aids and activators.

### SECTION 4: FIRST AID MEASURES

**Inhalation** Remove to fresh air if exposed to fumes, decomposition products or high temperature emitted vapours. Seek medical treatment in cases of extreme exposure.  
**Ingestion** Seek medical treatment in the event product consumed.  
**Eye** In the event of eye contact with fumes, immediately flush with plenty of water.  
**Skin** Skin contact with hot compound or decomposition products, immediately rinse skin with cold water, and wash off with soap and water.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media** Water, foam, carbon dioxide, dry chemical

**Hazards from combustion products** Natural rubber compounds are combustible and generate CO<sub>x</sub> and complex fumes derived from the decomposition products of organic accelerators, antioxidants, activators, plasticizers and process aids.

**Special protective precautions** Rubber fire is difficult to extinguish since the heat may soften the rubber and burning material liquefies and may spread fire. Some rubber compounds are lighter than water so that burning material may float on available water.

**Equipment for fire fighters** Wear a self-contained breathing apparatus with full-face piece operated in pressure demand or positive pressure mode, and protective suit.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Emergency procedures** Solid products unlikely accidental release.

**Methods and materials for containment and clean up.** Sweep up material and dispose of appropriately.

## SECTION 7: HANDLING AND STORAGE

**Safe handling** When moulding, extruding and curing Natural Rubber compounds, operate at temperatures as low as practicable, in consideration of hazards and economic throughput. Sufficient local exhaust ventilation must be provided to ensure safe working.

Do not consume food when handling compound, avoid inhalation of curing fume and vapours.

Practise good personal hygiene after using this material.

**Safe storage** Store in cool place (<25 °C) out of direct sunlight. Store away from sources of heat or ignition.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**National exposure standards** The C.O.S.H.H regulations state that rubber fume must be contained within a maximum exposure level of 0.6 mg/m<sup>3</sup> TWA (time weighted average) January 1990.

**Biological limit values** Not determined

**Engineering controls** Provide local exhaust ventilation systems during moulding, extruding, curing ie when processing product. Local exhaust is preferred because it prevents contaminant dispersion into work area by control at source.

**Personal protective equipment** When processing product recommend use of protective eyewear and hand utensils/coverings to prevent contact of hot rubber with skin.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Template cut sheet interleaved with polythene

<b>Odour</b>	Rubber odour
<b>PH</b>	Not applicable
<b>Specific gravity</b>	0.96 – 1.60
<b>Combustible</b>	
<b>Ignition temperature</b>	
<b>Raw polymer</b>	> 300 °C
<b>Compounds</b>	> 300 °C

#### SECTION 10: STABILITY AND REACTIVITY

**Chemical stability** Product is stable in cool well ventilated conditions  
**Conditions to avoid** Vulcanised Natural rubber compounds are generally stable up to temperatures of 70 °C in continuous use. After prolonged heating above these temperatures they will start to decompose, emitting fumes and vapours around 300 °C.  
**Incompatible materials** Not available  
**Hazardous reactions** Not available  
**Hazardous decomposition products** Decomposition fumes and vapours may be toxic and flammable.

#### SECTION 11: TOXICOLOGICAL INFORMATION

- **Health effects from the likely routes of exposure**

#### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity** Not available  
**Persistence and degradability** Not available  
**Mobility** Not available

#### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product/spills in accordance with local, State and Federal regulations at an approved waste disposal facility by incineration and/or approved landfill for chemical/special waste.

#### SECTION 14: TRANSPORT INFORMATION

**UN number** Not allocated (not subject to transport regulations)  
**UN proper shipping name** Not allocated  
**Class and subsidiary risk** Not allocated  
**Packing group** Not allocated  
**Special precautions for user** Not determined  
**Hazchem Code** Not allocated

Not classified for DOT, IATA or IMDG.

SECTION 15: REGULATORY INFORMATION

No Poisons Schedule number allocated to the substance.

SECTION 16: OTHER INFORMATION

- Date of preparation of the MSDS January 2005.
- Date of Review August 2012.

*End of Material Safety Data Sheet*