

*Wharington*  
Quality and Service  
for over one hundred years

**RECOPOL™**

**MINIMISE WASTE**  
**MAXIMISE DESIGN**

# Recopol™ Material Safety Data Sheet

## Product Description

Rigid mouldings of recycled Acrylonitrile Butadiene Styrene (ABS) terpolymer. Wharington moulds recycled and virgin ABS granulate to produce mouldings that are used for a variety of sectors, for example, stakes, seating and pots for parks and gardens and furniture components, internal frames, chair shells, seats, backs, arms and tabletops for the furniture manufacturing industry.

This process is exclusive to Wharington International. Recopol™ is a registered trademark of Wharington International Pty Ltd.

### **Wharington International Pty Ltd**

ABN 49 004 917 042

48 – 50 Hargreaves Street Huntingdale Victoria 3166 Australia

Tel 61 3 9544 5533 Fax 61 3 9543 1907

Email [sales@wharington.com.au](mailto:sales@wharington.com.au)

[www.wharington.com.au](http://www.wharington.com.au) [www.recopol.com.au](http://www.recopol.com.au)



## Hazards Identification

Recopol™ mouldings are NON-HAZARDOUS and NON-DANGEROUS.

## Composition/Information on Ingredients

Acrylonitrile Butadiene Styrene (ABS) terpolymer.  
Primarily from reprocessed ABS.

## First Aid Measures

### Inhalation

Mouldings are not respirable, avoid breathing dust if machining. Machine at low speeds to avoid vapours and fumes from overheating as overexposure to fumes may cause irritation to nose and throat. Remove to fresh air in the case of overexposure and refer to physician for treatment.

### Skin

Molten material will cause thermal burns. Cool immediately with water and seek medical assistance to remove.

### Eye

Mechanical irritation only.

### Ingestion

Not a probable situation. Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

## Fire Fighting Measures

Recopol™/ABS is a combustible thermoplastic material.

**Flash ignition** 349°C

### Extinguishing media

Water spray, CO<sub>2</sub>, dry chemical or Class A foam agent.

### Hazards from Combustion Products

Fire gives off carbon monoxide, carbon dioxide, hydrogen cyanide and dense black smoke.

### Precautions for Fire Fighters

Wear self contained breathing units.  
Decontaminate equipment after use.

## Accidental Release Measures

N/A

## Handling and Storage

Recopol™ mouldings can be heavy and awkward to lift, safe lifting practices are advised. Storage of moulds in a warehouse equipped with sprinklers is recommended.

## Exposure Controls/Personal Protection

**Exposure controls** N/A

### Personal Protective Equipment

If machining, eye protection and dust mask advised.

## Physical and Chemical Properties

### Appearance

Mostly black with coloured flecks depending on source of regrind.

Odour	None
Melting point	103–128°C
Solubility in water	Insoluble
Specific gravity	1.07–1.17
Flash point	349°C
Auto ignition temp	508°C

## Stability and Reactivity

Stable at room temperature.

## Toxicological Information

Recopol™ is not toxic.

## Ecological Information

### Aquatic Toxicity

Low, as product is insoluble in water.

### Terrestrial Toxicity

Low, as material is inert and will remain intact in the soil.

## Disposal Considerations

Recycling is encouraged, Recopol™ is 100% recyclable. Wharington offers product take back for all Wharington Recopol™ based furniture and Recopol™ off-cuts from post-production.

## Transport Information

N/A

## Regulatory Information

No known toxic materials.

## Other Information

Prepared by Tim Preston 5/12/2005.

This information has been collated from reference material and supplier data.

Wharington International makes no representation with regard to the completeness or accuracy of this information and accepts no responsibility for any loss or damage resulting from the use of the information contained in this material safety data sheet.