

# Recopol™ Material Safety Data Sheet



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 proprietary to Wharington International. Recopol™ is a registered trademark of Wharington International Pty Ltd.

## MATERIAL

### Recopol™

Solid mouldings of recycled Acrylonitrile Butadiene Styrene (ABS) terpolymer. Recopol™ is a registered trademark of Wharington International Pty Ltd.

## SUPPLIER

### Wharington International Pty Ltd

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Wharington moulds recycled and virgin ABS granulate to form seats, backs and internal frames or shells for furniture and garden products. This process is exclusive to Wharington International.

## HAZARDS IDENTIFICATION

Recopol™ mouldings are non-hazardous and non-dangerous.

## COMPOSITION / INFORMATION ON INGREDIENTS

Acrylonitrile Butadiene Styrene (ABS) terpolymer. Primarily from reprocessed ABS. CAS Registry Number 9003-56-9.

## 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. If swallowed, refer to physician for treatment.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls are not applicable. Personal protective equipment should be worn if machining: eye protection and dust mask advised.

## TOXICOLOGICAL INFORMATION

Recopol™ is not toxic.





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## STABILITY AND REACTIVITY

Stable at room temperature.

## 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

Not applicable.

## HANDLING AND STORAGE

Recopol™ mouldings can be heavy and awkward to lift, safe lifting practices are advised. Storage facilities should be equipped with sprinklers.

## PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Mostly black with coloured flecks depending on source of regrind.

### Odour

None

### Specific gravity

1.07 – 1.17

### Melting point

103°C – 128°C

### Flash point

Not Applicable

### Solubility in water

Insoluble

### Auto ignition temperature

508°C

## ECOLOGICAL INFORMATION

Recopol™ is insoluble in water, no aquatic toxicity is known. It is inert and will remain intact in the soil.

## DISPOSAL CONSIDERATIONS

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

## TRANSPORT INFORMATION

Not applicable.

## REGULATORY INFORMATION

No Poisons Schedule Number allocated. No UN Number allocated.

## OTHER INFORMATION

Prepared by Wharington International 2011. This information has been collated from reference material and supplier data.

Wharington 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.

