



Tekwani Applications Limited

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TRYCUT

Easy Cutting Plastic / Wax

MATERIAL SAFETY DATA SHEET (page1 of 2)

1: General Information

Chemical Description : Thermoplastic mixture of hydrocarbon waxes and resins.

General Characteristics : A re-usable, hard, easily machined plastic, with a melting point of approx. 110 °C

2: Hazards Identification

Hazardous components : none, non-toxic, non-carcinogenic. Conforms to RoHS Directive (2011/65/EU) in terms of restricted substances referred to in Article 4(1)

Potential health effects:

Skin contact

Solid-none. When molten results in heat burns. Not readily absorbed.

Eye contact

Solid-none, but small particles can cause physical irritation. Molten wax results in burns.

Inhalation

Inhalation of paraffin wax vapours on heating or powder particles on cutting / machining may cause respiratory tract irritation.

Ingestion

Solid -no significant hazard, non toxic. Molten liquid - burns on contact with mouth/oesophagus/stomach

3: First Aid Measures

Ingestion

May cause damage only in hot (molten) state. Same action as in case of burns.

Skin contact

Molten - immerse the area in water to assist cooling. Apply sterile cover. Seek medical attention.

Solid - do not remove solidified wax from skin. Allow it to peel off with the dead skin as the wound heals.

Eye contact

Molten - flush with cold water. Seek medical attention

4: Fire - Fighting Measures

Extinguishing Media

CO2 , Foam and Dry Chemical / sand. Do not use water.

Usual Fire Hazards

Burns exuding dense smoke, incomplete combustion produces fumes & carbon monoxide

Protection of Fire fighters

Emergency Protective Equipment self contained air packs should be worn when fighting a major fire.

5: Handling, Storage & Transport

Personal precautions

Avoid contact with hot/molten wax

Eye/face/body

Face shield and protective clothing (cotton overalls) should be worn when working with molten wax. Area should be well ventilated.

Hands

Use leather gloves as they provide heat insulation and do not absorb molten wax.

Storage

Store away from open flames and sources of heat.

Spillage

No special precautions necessary apart from when molten. If this occurs allow to cool and remove mechanically.

Disposal

Burn in an approved incinerator or place in an approved landfill.



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MATERIAL SAFETY DATA SHEET (Continuation page 2 of 2)

6: Physical & Chemical Properties

Colour	Blue
Odour	Practically odourless
Softening point	100-115 °C
Density	0.94 g.cm ⁻³
Boiling point	Thermal cracking occurs below boiling point
Solubility in water	Insoluble
Physical state	Solid below softening / congealing point, liquid above congealing point

7: Stability & Reactivity

Conditions to avoid	Exposure to open flames, prolonged storage at 50 ° C above softening point may interfere with quality.
Material to avoid	Avoid contact with strong oxidising agents
Thermal decomposition	approx 250 ° C
Decomposition products	carbon monoxide, aldehydes in the case of incomplete combustion.

8: Toxicological Information non toxic. Conforms to RoHS Directive (2011/65/EU) in terms of restricted substances referred to in Article 4(1)

9: Ecological Information

The product is a water-insoluble, solid polymer which under normal environmental conditions has no detrimental effect on plants animals or micro-organisms.

10: Other Information

Although the information contained in this data sheet is presented in good faith and to the best of Tekwani Applications Limited's, knowledge and experience, it is made without any warranty or guarantee whatsoever.

