



# Acetal Copolymer (Ertacetal C) Safety Sheet

## 1. Product and Company Identification

Commercial Product Name: Ertacetal C  
Company (manufacturer): Quadrant EPP Belgium NV  
I.P Noord – R. Tavernierlaan 2  
B – 8700 Tielt

## 2. Composition and information on ingredients

This product is a chemical substance.

Chemical Characterisation (eventually with synonyms): Polyoxymethylene Copolymer (Polyacetal Copolymer)

Chemical Structure: POM-C (CH<sub>2</sub>O)<sub>n</sub>

CAS Nr. ('Chemical Abstract Service Registry Number'): 24969-25-3 or 25214-85-1

## 3. Hazards Identification

Most important hazards: No critical hazards for man and environment in case of normal storing.

Specific hazards: Not applicable

## 4. First Aid Measures

Inhalation: In case of the plastic burns and combustion gases are inhaled, immediately leave the room and get medical help.

Skin contact: In case molten material comes in contact with the skin, the skin needs to be rinsed thoroughly with cold water. Do not try to remove the molten material. Get medical assistance for the removal of the tacky material and care of the burn.

## 5. Fire Fighting Measures

**Suitable extinguishing media:** water, foam, cry chemical, CO<sub>2</sub>.

**Extinguishing media which must not be used for safety reasons:** None.

**Special exposure hazards arising from the substance or preparation itself, combustion products or resulting gases:** See section 10.

**Special protective equipment for fire-fighters:** Firemen should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and or eyes. If exposed to combustion fumes in a high concentration, bring the victim into fresh air. If molten material contacts skin, cool rapidly with cold water and obtain medical attention for removal of adhering material and treatment of the burn.

Bay Plastics Ltd, Unit H1 High Flatworth, Tyne Tunnel Trading Estate, North Shields, Tyne & Wear, NE29 7UZ

Tel: 0191 2580777

Fax: 0191 2581010

Email: [sales@bayplastics.co.uk](mailto:sales@bayplastics.co.uk)

[www.bayplastics.co.uk](http://www.bayplastics.co.uk)

[www.plasticstockist.com](http://www.plasticstockist.com)



## 6. Accidental Release Measures

Personal precautions:	Not applicable
Environmental precautions:	See section 12 & 13
Methods for cleaning up:	See section 13

## 7. Handling and Storage

### Handling

Technical Measures:	Not applicable
Precautions:	Not applicable
Safe Handling Advice:	During machining of the stock shapes, evacuate swarf to prevent slipping or tripping hazard.

### Storage

Technical Measures:	Avoid exposure to UV radiation
Safe Storage Conditions:	Inert under normal storage conditions
Incompatible Products:	Not applicable
Safe Packaging Materials:	Not applicable

## 8. Exposure Controls / Personal Protection

Engineering measures to minimize exposure: None

Personal Protection:

Respiratory Protection:	None (except when the product burns – see section 4 & 10).
Hand Protection:	Gloves in case of frequent contact with warm material.
Eye Protection:	Safety goggles during machining.

Industrial Hygiene: Follow good standard industrial practice. No special precautions.



## 9. Physical and Chemical Properties

Appearance:	Form: Stock shapes (plate, rod and tube) Colour: Natural (white) / Black	
Odour:	No special odour	
Change in Physical State:	Boiling point/boiling range: Not applicable Melting point/melting range: 165°C	
Flash Point:	Not applicable	
Vapour pressure:	Not applicable	
Self Ignition Temperature:	375°C	ASTM D 1929
pH:	Not applicable	
Density (at 23°C):	1.41g/cm <sup>3</sup>	ISO 1183
Solubility in Water:	Negligible	
Thermal Decomposition:	>230°C	

## 10. Stability & Reactivity

Stability:	In normal circumstances, the plastic and its chips are stable.
Conditions to avoid:	Temperatures above the melting point/melting range (see section 9)
Hazardous decomposition products:	The material burns with a pale blue, almost colourless flame. The main products formed in case of overheating or combustion are, apart from harmless CO <sub>2</sub> and H <sub>2</sub> O, mainly CO (depending on the amount of available environmental oxygen) and formaldehyde.

## 11. Toxicological Information

Acute Toxicity:	When overheated, toxic formaldehyde is released (see section 10).
Local Effects:	Not applicable.



## 12. Ecological Information

This material does not harm the environment but is not biologically degradable.

## 13. Disposal Considerations

Residual Waste: When recycling is impossible, incineration or landfill. Disposal methods must conform to local or other government regulations. This product does not contain cadmium pigments or cadmium stabilisers.

Contaminated Packaging: Not applicable.

## 14. Transport Information

International Regulations: Not applicable.

## 15. Regulatory Information

Classification and labelling according to the relevant EU-directives is not required. During storage and machining, the maximum allowable concentration on the workshop, which is in effect your country, should be observed.

## 16. Other Information

Read the product information brochures before using Quadrant EPP materials.

The data are typical values and are not intended to represent specifications. Their aim is to guide the user towards a material choice. All statements, technical information and recommendations in this product datasheet are presented in good faith, based upon tests believed to be reliable and practical experience. However, Bay Plastics Ltd cannot guarantee accuracy or completeness of this information, and it is the buyer's responsibility to determine the suitability of products in any given application. Therefore no liability whatsoever shall attach to Bay Plastics Ltd for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of application, processing or use of the aforementioned information products by the buyer.

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