

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (material) Name:** Histocryl. Catalogue # C032.  
**Other Names:**  
**Recommended Use:** Acrylic Resin for light microscopy.

**Supplier Name:** ProSciTech  
**Postal Address:** PO Box 111, Thuringowa Central Qld. 4817 Australia  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444  
**Fax Number:** (07) 4773 2244  
**Emergency Contact:** (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

## SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC.  
**Risk Phrases:**  
**Safety Phrases:**

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**SUBSTANCE:**  
**Chemical Identity:** Histocryl.  
**Common Name(s):**  
**CAS Number(s):**

### MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Hydrophilic Methacrylate Mixture		90
C12 methacrylate ester		10

## SECTION 4 - FIRST AID MEASURES

**Swallowed:** N/A  
**Eye:** Avoid all contact with eyes. If resin gets into the eyes, wash them gently with distilled water for 10 minutes and consult a doctor, preferably an eye specialist.  
**Skin:** Avoid unnecessary contact with skin. Wash hands after use with soap and warm water. Apply a moisturising cream after use if large amounts have been spilt on the skin.  
**Inhaled:** N/A  
**First Aid Facilities:** Eye bath, safety shower  
**Medical Attention & Special Treatment:**

ADDITIONAL INFORMATION:

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use suitable extinguishers for surrounding fire.  
**Hazards from Combustion Products:** The resin is combustible. The flash point exceeds 1200C. If excess catalyst is used a high exotherm may result. This is only a risk if the container holding the mixture is not vented.  
**Precautions for Fire Fighters:** Wear appropriate fire fighting protective equipment.  
**Hazchem Code:**

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Emergency Procedures:**

**Containment and clean up:** Dispose of resin and catalyst by combining the two in a well vented container, e.g. a bucket. To polymerise the resin safely add 0.9% of benzoyl peroxide + 2.5% di-methyl p. toluidine. The resin will then cure with a little fuming as it exotherms and should be placed in a fume cupboard or outside whilst this occurs. The cool resin is harmless and may be disposed of with other non toxic wastes.

**SECTION 7 - HANDLING & STORAGE**

**Precautions for Safe Handling:** Wear appropriate protective equipment to prevent contact with skin and eyes.

**Conditions for Safe Storage:** No special storage requirements.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**National Exposure Standards:** No exposure standard allocated.

**Biological Limit Values:** No biological limit allocated.

**Engineering Controls:** None needed.

**Personal Protective Equipment:** Wear appropriate protective equipment to minimise contact with skin. Lab coat, gloves, long clothing, leather shoes, protective glasses.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

**Appearance:** Clear Liquid.

**Odour:** N/A

**pH:** N/A

**Vapour pressure:** N/A

**Vapour density:** N/A

**Boiling point/range:** N/A

**Freezing/melting point:** N/A

**Solubility:** N/A

**Specific gravity or density:** N/A

**Flash Point:** >120°C.

**Flammable (explosive) limits:** N/A

**Ignition temperature:** N/A

**Additional Information:**

**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical stability:** Stable under normal conditions of use.

**Conditions to avoid:**

**Incompatible Materials:**

**Hazardous Decomposition**

**Products:**

**Hazardous Reactions:**

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Acute and chronic health effects:** Resin based on resins used in dental fillings. The resin is of very low viscosity and designed to penetrate biological tissue. Hence care should be taken to minimise skin contact. This is especially true if there is a previous history of allergy to methacrylates.

**Possible routes of exposure:** Skin/eye Contact

**Range of effects following exposure:** Irritation to area.

**Dose likely to cause injury:**

**Delayed effects:**

**Relevant negative data:**

**SECTION 12 – ECOLOGICAL INFORMATION****Ecotoxicity:****Persistence and degradability:****Mobility:****Additional Information:****SECTION 13 - DISPOSAL CONSIDERATIONS****Disposal Methods:** The cooled resin is harmless and may be disposed of with other non-toxic wastes.**Special Precautions:****SECTION 14 - TRANSPORT INFORMATION****UN Number:****UN Proper Shipping Name:****Class and Subsidiary risk:****Packing Group:****Special Precautions for User:****Hazchem Code:****SECTION 15 - REGULATORY INFORMATION****Poison Schedule Number:** None allocated**SECTION 16 - OTHER INFORMATION****Date of preparation of MSDS:** February 2009.

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