

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** Tissue-Tek® O.C.T. Compound  
**Catalogue Number:** IA018  
**Other Names:** NOTE: O.C.T. stands for Optimal Cutting Temperature  
**Recommended Use:** Cryo mounting medium.

**Supplier Name:** ProSciTech  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)  
**Emergency Contact:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

## SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:**  
 Not classified as hazardous according to criteria for Classifying Hazardous Substances [NOHSC:1008].

**Hazardous and/or Dangerous Nature:**  
 NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

**Risk Phrases:**  
 Not classified.

**Safety Phrases:**  
 Not classified.

*Refer to Section 15 for Poisons Schedule.*

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**Mixture Substance:**

<i>Ingredients</i>	<i>Cas Number(s)</i>	<i>Proportion (%)</i>
Polyvinyl alcohol	(Trade Secret)	10.24
Polyethylene glycol	(Trade Secret)	4.26
Non-reactive ingredient	(Trade Secret)	85.50

## SECTION 4 - FIRST AID MEASURES

**Ingestion:** If the patient is conscious, wash out mouth with water and have the patient drink a glass of water or milk to dilute the material. Transport to the hospital for care.

**Inhalation:** The patient should be transported away from exposure and brought to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Transport to the hospital for care.

**Eye Contact:** Flush eyes immediately with water for at least 15 minutes with eyes open and eyelids raised. Transport to hospital for further medical attention.

**Skin Contact:** Contaminated clothing should be removed immediately. The affected body areas should be flushed with a solution of soap and water for a period of approximately 15 minutes. Seek medical attention if irritation develops.

**First Aid Facilities:** Eyebath/eyewash, Safety shower & general washroom facilities.

**Medical Attention & Special Treatment:**  
 Not available.

**Additional Information:**  
 Not available.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**  
 Water fog, regular foam, dry chemicals, or carbon dioxide.

**Hazards from Combustion Products:**  
 COx and Asphyxiates.

**Precautions for Fire Fighters:**  
 Wear self-contained breathing apparatus with full body protection.

**Hazchem Code:** Not available.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Containment & Clean up:

Contain spill. Absorb using suitable media. Store until ready to dispose of (refer to Section 13).

## SECTION 7 - HANDLING & STORAGE

### Precautions for Safe Handling:

Avoid contact with eyes, skin, and clothing. Avoid breathing mists.

### Precautions for Safe Storage:

Store in a cool, well-ventilated area.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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

### Engineering Controls:

Use in a well ventilated area - General mechanical or local exhaust should be used to maintain low exposure levels.

### Personal Protective Equipment:

**Respiratory Protection:** Not normally required. Avoid prolonged periods of directly breathing vapours. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134.

**Protective Equipment:** Use appropriate resistant gloves, chemical splash goggles, and normal laboratory work clothing.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Viscous, clear to pale yellow, slight alcohol odour.
<b>Odour:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at °C):</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range (°C):</b>	Not available.
<b>Freezing/melting point (°C):</b>	Not available.
<b>Solubility:</b>	Soluble in water.
<b>Specific gravity or density:</b>	Not available.
<b>Flash Point:</b>	Greater than 232.22°C.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.

## SECTION 10 - STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Contact with incompatible materials.
<b>Incompatible Materials:</b>	Avoid contact with strong oxidising agents.
<b>Hazardous Decomposition Products:</b>	COx and Asphyxiates.
<b>Hazardous Reactions:</b>	Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Exposure and Health Effects:

No chronic effects of overexposure are currently known.

### Ingestion:

Swallowing may cause gastrointestinal irritation.

### Inhalation:

Inhalation of mists may cause minor respiratory irritation.

### Eye Contact:

May cause mild irritation.

### Skin Contact:

Prolonged contact may cause mild discomfort.

**Human/Animal data:** Not available.

**Carcinogenic Category:** Not classified as a Carcinogen by the IARC.

**Other Carcinogenic** No chronic effects of overexposure are currently known.

**Information:****SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** Ecological effects of this mixture have not been determined.

**SECTION 13 - DISPOSAL CONSIDERATIONS****Disposal Methods:**

Dispose of in accordance with all applicable local, state, and federal regulations.

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number:** Not regulated.  
**UN Proper Shipping Name:** Not regulated.  
**Class and Subsidiary risk:** Not regulated.  
**Packing Group:** Not regulated.  
**Special Precautions for User:** Not available.  
**Hazchem Code:** Not available.

**SECTION 15 - REGULATORY INFORMATION**

**Poison Schedule Number:** None Allocated.

**SECTION 16 - OTHER INFORMATION**

**Date of preparation of MSDS:** 10 January 2012

**Comments:****List of Publications referenced when creating this MSDS;**

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

*This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.*

**... End of MSDS ...**