

# MATERIAL SAFETY DATA SHEET — 16 Sections

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Identifier</b> mepBLITz DC-i5 Coolant (MEPi5SP10)			
<b>Product Use</b> Used as a circulating coolant for the mepBLITz DC-i5 machine			
<b>Manufacturer's Name</b> Metal Science Technologies Pty Ltd		<b>Supplier's Name</b> Metal Science Technologies Pty Ltd	
<b>Street Address</b> 43 Shelley Road		<b>Street Address</b> 43 Shelley Road	
<b>City</b> Moruya	<b>Province</b> NSW	<b>City</b> Moruya	<b>Province</b> NSW
<b>Postal Code</b> 2537	<b>Emergency Telephone</b> 0411 217 986	<b>Postal Code</b> 2537	<b>Emergency Telephone</b> 0411 217 986
<b>Date MSDS Prepared</b> 05.01.15		<b>MSDS Prepared By</b> Metal Science Technologies Pty Ltd	<b>Phone Number</b> +612 4474 3394

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> of Ingredient ( <i>specify species</i> )
Di-electric oil	99	N/A	N/A	N/A
Proprietary Ingredient	1	N/A	N/A	N/A

## SECTION 3 — HAZARDS IDENTIFICATION

<b>Classification</b> Not classified as dangerous under EC/GHS-criteria
<b>Human Health Hazards</b> None
<b>Physico-chemical and environmental hazards and effects:</b> None

## SECTION 4 — FIRST AID MEASURES

<b>Eye Contact</b> WHEN MOLTEN ONLY (molten product can cause thermal burns) – Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.
<b>Skin Contact</b> WHEN MOLTEN ONLY (molten product can cause thermal burns) – In serious cases, use emergency shower immediately. Immediately flush skin thoroughly with water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention.
<b>Ingestion</b> WHEN MOLTEN ONLY (molten product can cause thermal burns). Obtain medical attention immediately. This is not a toxic substance
<b>Inhalation</b> No emergency care anticipated. WHEN MOLTEN ONLY (molten product can cause thermal burns). Obtain medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

<b>Flammable</b> Yes		
<b>Means of Extinction</b> Use foam, dry chemical, or carbon dioxide. Water may spread fire.		
<b>Flashpoint (°C) and Method</b> >93.4 ASTM D93	<b>Upper Flammable Limit (% by volume)</b> Not Available	<b>Lower Flammable Limit (% by volume)</b> Not Available
<input type="checkbox"/> C (20)		
<b>Auto ignition Temperature (°C)</b> Not Applicable	<b>Explosion Data — Sensitivity to Impact</b> Not Applicable	<b>Explosion Data — Sensitivity to Static Discharge</b> Not Applicable
<b>NFPA</b> Health: 0; Flammability: 1; Instability: 0		

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

<b>Leak and Spill Procedures</b> <b>General Information</b> Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks</b> Take-up spillage with absorbent, inert material and place in a suitable and closable labeled container for recovery or disposal. Do not use combustible materials (such as sawdust) to soak-up spillages. Wash the area clean with water and detergent, observing environmental requirements.

## SECTION 7 — HANDLING AND STORAGE

<b>Handling Procedures and Equipment</b> Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not get on skin or in eyes. Do not ingest or inhale.
<b>Storage Requirements</b> Store in a cool dry place.

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

<b>Exposure Limits - ACGIH TLV</b> ACGIH® TLV® - TWA: None listed      ACGIH® TLV® - STEL [C]: None listed
<b>Specific Engineering Controls (such as ventilation, enclosed process)</b> There are no special ventilation requirements.
<b>Personal Protective Equipment</b> <b>Skin</b> PVC or nitrile gloves, coveralls. <b>Respirator</b> Use respiratory protection in the presence of oil mist or where oil may be atomized. <b>Eye</b> Wear chemical safety goggles.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b> Blue liquid	<b>Odour and Appearance</b> Odorless	<b>Viscosity</b> N/A
<b>Specific Gravity</b> 9200 g/cm <sup>3</sup>	<b>Vapour Density (air = 1)</b> >1 (air=1)	<b>Vapour Pressure (mmHg)</b> N/A
<b>Evaporation</b> N/A	<b>Boiling Point ( <input type="checkbox"/> C)</b> N/A	<b>Freezing Point ( <input type="checkbox"/> C)</b> N/A
<b>pH</b> N/A	<b>Coefficient of Water/Oil Distribution</b> N/A	<b>Solubility in Water</b> Insoluble

## SECTION 10 — STABILITY AND REACTIVITY

<b>Chemical Stability</b> Stable under normal temperatures and pressures.
<b>Incompatibility with Other Substances</b> Strong oxidizers.
<b>Conditions to Avoid</b> Incompatible materials
<b>Hazardous Decomposition Products</b> Carbon monoxide, carbon dioxide.

## SECTION 11 — TOXICOLOGICAL INFORMATION

### Health Hazards, General

No specific health effects anticipated with this product.

## SECTION 12 — ECOLOGICAL INFORMATION

### Ecological Information

No specific data or information available regarding environmental impact.

### Degradability

Readily biodegradable

## SECTION 13 — DISPOSAL CONSIDERATIONS

### Disposal Methods

Disposal should be in accordance with the principles of Duty of Care observing local and national regulations.

## SECTION 14 — TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: DOT, IATA, IMDG

## SECTION 15 — REGULATORY INFORMATION

### EC/GHS classification

According to EC/GHS regulations this product is not classified or labeled

## SECTION 16 — OTHER INFORMATION

**MSDS Creation Date:** 05.01.15

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**End of MSDS**