

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** JB4/JB4Plus Solution A.

**Catalogue Number:** C611/C616.

**Other Names:**

**Recommended Use:** Acrylic Monomer.

**Supplier Name:** ProSciTech

**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:** Hazardous according to criteria of NOHSC.

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

**Dangerous Nature:**

**Risk Phrases:** R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

**Safety Phrases:** S2 Keep out of reach of children.

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

## SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

<b>SUBSTANCE:</b>	<b>Chemical Identity:</b> 2-Butoxyethanol
	<b>Common Name(s):</b> [EGBE; Ethylene glycol monobutyl ether; Butyl cellosolve]
	<b>CAS Number(s):</b> 111-76-2

**MIXTURE:**

Ingredients	Cas Number(s)	Proportion (%)
2-Butoxyethanol	111-76-2	>75

## SECTION 4 - FIRST AID MEASURES

**Swallowed:** Get prompt medical treatment. Seek medical treatment if discomfort persists.

**Eye:** Flush eyes with water for at least 15 minutes. If irritation persists seek medical attention.

**Skin:** Wash affected area with plenty of water. If irritation persists seek medical attention.

**Inhaled:** Remove to fresh air. Give oxygen or artificial respiration, as needed.

**First Aid Facilities:** Eyebath/eyewash & Safety shower.

**Medical Attention & Special Treatment:**

ADDITIONAL INFORMATION:

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Carbon dioxide, dry chemical powder, foam.

**Hazards from Combustion Products:**

Material is a moderate fire hazard. Carbon monoxide, carbon dioxide.

**Precautions for Fire Fighters:**

Firefighters must wear self-contained breathing apparatus and fully protective equipment.

**Hazchem Code:** Not available.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

**Containment and clean up:**

Absorb spill on sand or vermiculite, scoop up and hold for disposal. Wear self-contained breathing apparatus, rubber boots and rubber gloves.

## SECTION 7 - HANDLING & STORAGE

### Precautions for Safe Handling:

Wash thoroughly after handling. Do not get material on skin or clothing or in the eyes. Wash contaminated clothing before reuse.

### Conditions for Safe Storage:

Store material in a cool, dry place. Keep storage container tightly closed.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards:** TWA20ppm, TWA96.9mg/m<sup>3</sup>  
STEL50ppm, STEL242mg/m<sup>3</sup>

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

### Engineering Controls:

Local ventilation required.

### Personal Protective Equipment:

RESPIRATORY PROTECTION: OSHA/MHSA approved respirator is needed.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye bath.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear liquid.
<b>Odour:</b>	Ester type odour.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at 25°C):</b>	Not available.
<b>Vapour density:</b>	Heavier than air.
<b>Boiling point/range (°C):</b>	Not available.
<b>Freezing/melting point (°C):</b>	Not available.
<b>Solubility:</b>	Slightly soluble in water.
<b>Specific gravity or density:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.
<b>Additional Information:</b>	
% Volatile by volume:	100

## SECTION 10 - STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	May polymerize on exposure to light, avoid incompatible materials.
<b>Incompatible Materials:</b>	Polymerizing agents, heat.
<b>Hazardous Decomposition</b>	Carbon monoxide, carbon dioxide.
<b>Products:</b>	
<b>Hazardous Reactions:</b>	May occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Exposure and Health Effects:

#### Ingestion:

May be irritating.

#### Inhalation:

May be irritating.

#### Skin Contact:

May be irritating.

#### Eye Contact:

May be irritating.

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

**Carcinogenicity:** Not available.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available.

**Persistence and degradability:** Not available.

**Mobility:** Not available.

**Additional Information:**

### **SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal Methods:**

Mix waste with a combustible carrier and burn in a suitably equipped chemical incinerator.

Disposal must comply with Federal, State and local regulations

**Special Precautions:**

### **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: November 09

Comments:

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