

# MATERIAL SAFETY DATA SHEET

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PREPARED BY: LL

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>PRODUCT NAME:</b> Barmac Carmel Carrier	<b>OTHER NAMES</b> No other names	<b>APVMA REGISTRATION NUMBER:</b> Exempt.
<b>USE:</b> Fog & ULV Carrier & Anti-evaporatant	<b>AUSTRALIAN DISTRIBUTOR:</b> Barmac, a division of Amgrow Pty Ltd. 17 Machinery Street, Darra, QLD 4076 Phone: (07) 3727 3000 Fax: (07) 3727 3030	<b>EMERGENCY PHONE NUMBERS (Australia):</b> Fire Brigade, Ambulance and Police Services: 000 Poisonings: 131 126 POISON INFORMATION CENTRE
<b>FORM:</b> Liquid		

## 2. HAZARD IDENTIFICATION

Not classified as hazardous according to the criteria of SWA. Not dangerous according to the ADG Code.	<b>RISK PHRASES:</b> Not Applicable.	<b>SAFETY PHRASES:</b> Not Applicable
	<b>HAZCHEM CODE:</b> None Allocated.	<b>UN NUMBER:</b> Not Allocated

## 3. COMPOSITION INFORMATION ON INGREDIENTS

<b>MIXTURE: CHEMICAL IDENTITY:</b>  No hazardous Ingredients	<b>PROPORTION:</b>  100%	<b>CAS NO:</b>  Not Applicable
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## 4. FIRST AID MEASURES

<b>SWALLOWED:</b> If vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Seek medical attention immediately.	<b>SKIN:</b> Remove contaminated clothing, jewellery and shoes immediately. Wash with soap or mild detergent with large amounts of water until no evidence of chemical remains. Seek medical attention.
<b>EYES:</b> Hold eyelids apart and flush continuously with running water for at least 15 minutes. Seek medical advice.	<b>INHALED:</b> Remove patient from contaminated area. Apply artificial respiration if not breathing. Contact a doctor if symptoms persist.

**FIRST AID FACILITIES:** Provide eye wash and shower facilities in workplace.

## 5. HEALTH EFFECTS

<b>INGESTION:</b> May cause nausea, vomiting headache, drowsiness, symptoms of drunkenness, kidney damage, brain damage, convulsion and coma.	<b>EYES:</b> May be an irritant.
<b>SKIN:</b> May be an irritant characterised by redness, dryness & inflammation.	<b>INHALED:</b> Inhalation of mist of this material may cause respiratory tract irritation.

## 6. FIRE-FIGHTING MEASURES

<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.	<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b> At high temperatures the product is a combustible liquid. It will not burn unless preheated. As a fog or mist do not exceed a fog/mist : air ratio of 4 litres of product to 1500m <sup>3</sup> of confined space.
<b>FLAMMABILITY:</b> At high temperatures the product is a combustible liquid.	<b>HAZCHEM CODE:</b> Not Allocated.
<b>EXPOSURE LIMITS:</b> SWA has not set a limit for this product so a standard for dust is as TWA 5.0 mg/m <sup>3</sup> .	<b>EXTINGUISHING MEDIA:</b> Water spray, foam, dry agent (carbon dioxide, dry chemical powder).

## 7. ACCIDENTAL RELEASE MEASURES

If contamination of sewers or waterways has occurred advise local emergency services.
Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess

## 8. HANDLING AND STORAGE

<b>HANDLING:</b> Avoid contact with skin and eyes and avoid inhalation of vapour.
<b>STORAGE:</b> Store in cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials.

## 9. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>SKIN PROTECTION:</b> Wear ankle length and long sleeved clothing. PVC gloves and shoes are also recommended.	<b>RESPIRATOR TYPE:</b> Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask.
<b>HYGIENE RECOMMENDATIONS:</b> After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.	<b>EYE PROTECTION:</b> Protective glasses or goggles should be worn when this product is being used.
<b>EXPOSURE LIMITS:</b> SWA has not set a limit for this product so a standard for dust is as TWA 5.0 mg/m <sup>3</sup> .	<b>VENTILATION:</b> Must be available when using this product, particularly without a respirator.

## 10. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b> Oily white/pink liquid.	<b>pH:</b> No data.	<b>SPECIFIC GRAVITY (20°C):</b> 1.12 @ 15°C.	<b>BOILING POINT:</b> 228°C
<b>FLASH POINT:</b> 177°C	<b>VAPOUR DENSITY:</b> No data	<b>VAPOR PRESSURE (25°C):</b> 5.18	<b>SOLUBILITY:</b> Complete

## 11. STABILITY AND REACTIVITY

<b>STABILITY:</b> Stable if stored in original container under normal ambient conditions.	<b>INCOMPATIBILITY/ CONDITIONS TO AVOID:</b> Avoid heat, sparks, open flames and other ignition sources. Avoid strong oxidising agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> May evolve oxides of carbon when heated to decomposition.	

## 12. TOXICOLOGICAL INFORMATION

**INGESTION:** May cause nausea, vomiting headache, drowsiness, symptoms of drunkenness, kidney damage, brain damage, convulsion and coma.

**EYES:** May be an irritant.

**SKIN:** May be an irritant characterised by redness, dryness & inflammation.

**INHALED:** Inhalation of mist of this material may cause respiratory tract irritation.

## 13. ECOLOGICAL INFORMATION

### The following related to triethylene glycol

**Ecotoxicity:** This material is expected to be slightly toxic to marine life. LC50/96-hour values for fish are between 10 and 100mg/L  
**Environmental Fate:** When released into the soil, this material is expected to readily biodegrade, is expected to leach into ground water. Readily degradable in the air and is expected to have a half-life expectancy of less than a day.  
**Environmental Degradation:** Not expected to bioaccumulate.

## 14. DISPOSAL

**WASTE DISPOSAL METHOD:** Dispose in accordance with the product label and with local regulations.

## 15. TRANSPORT INFORMATION

No specific measures allocated for this product in terms of transportation.

## 16. REGULATORY INFORMATION

**POISONS SCHEDULE:** None Allocated.

**HAZARD CATEGORY:** Exempt

## 16. OTHER INFORMATIONS

This MSDS contains only safety-related information. For other data see product literature.

**Acronyms:**

**ADG Code:** Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

**SWA** Safe Work Australia, formerly ASCC and NOHSC

**CAS Number** Chemical Abstracts Service Registry Number

**SUSMP** Standard for the Uniform Scheduling of Medicine & Poisons

**UN:** United Nations Number

**TWA:** Time weight average.

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