

Material Safety Data Sheet

CS: 1.4.18

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Infosafe No™	LPWZV	Issue Date : November 2007	ISSUED by BARNES	CS: 1.4.18
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Product Name : **DRY MELAMINE RESIN**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	DRY MELAMINE RESIN	
Company Name	Barnes Products Pty Ltd (ABN 004 011 456)	
Address	6 Homedale Road Bankstown NSW 2200	
Emergency Tel.	(02) 9793 7555	
Telephone/Fax Number	Tel: (02) 9793 7555 Fax: (02) 9793 7091	
Recommended Use	Dry resin for Forton MG.	
Other Names	<u>Name</u>	<u>Product Code</u>
	FORTON DRY RESIN	
	MF415	
	FORTON RESIN	

2. HAZARDS IDENTIFICATION

Hazard Classification	Classified as hazardous HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC.
Risk Phrase(s)	Dangerous goods classification according to the Australia Dangerous Goods Code. Classified as hazardous R36/37/38 Irritating to eyes, respiratory system and skin. R43 May cause sensitization by skin contact.
Safety Phrase(s)	S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S38 If insufficient ventilation, wear suitable respiratory equipment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Melamine	9003-08-1	99-100 %
	formaldehyde resin		
	FOMALDEHYDE	50-00-0	0-0.99 %

4. FIRST AID MEASURES

Inhalation	Move the person away from the contaminated area and into fresh air. If irritation occurs or persists, seek medical attention. If breathing is difficult, ensure airways are clear and have a qualified person give oxygen through a facemask. If victim has stopped breathing begin artificial respiration, or if heart has stopped, cardiopulmonary resuscitation and seek immediate medical attention.
Ingestion	If swallowed, DO NOT INDUCE VOMITING. Never give anything by mouth if victim is semi-conscious or unconscious. Wash out mouth with water. Seek medical attention.
Skin	Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.
Eye	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities	Eye wash station, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use appropriate media for surrounding fire.
Specific Hazards	Treat as ordinary combustible powder. Possible dust explosion if dispersed in air in large quantities. Protect personnel from breathing vapour or products of combustion.

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Precautions in connection with Fire Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Increase ventilation. Evacuate all unnecessary personnel. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure (see Section 8 of this MSDS). Floors may be slippery. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well, with soap and water. Seal all wastes in labelled containers for eventual disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling and Storage Avoid dust generation and provide good ventilation when handling (see Section 8 of this MSDS). Clean up any dust accumulations. Remove sources of ignition. Keep containers closed when not in use. Resin should be stored in a cool, dry place away from sources of ignition and incompatibles (see Section 10 of this MSDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	FOMALDEHYDE	2.5	2	1.2	1	Sen
Biological Limit Values	No biological limit allocated.					
Other Exposure Information	NOHSC TWA exposure standard for dusts/mists not otherwise specified is 10mg/m3. Respirable Fraction: 5 mg/m3. No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC). However, exposure standards for ingredients are stated above: TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. 'Sen' notice - sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.					
Engineering Controls	A system of local and/or general exhaust is recommended to keep employee exposure below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.					
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants such as organic vapours and dusts. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling, extent and duration of use at workstation, other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity required, and risk assessments undertaken. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.					
Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.					
Hand Protection	Wear gloves of impervious material (e.g. polychloroprene or nitril rubber). Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves					

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Body Protection	- Selection, use and maintenance. Overalls or similar protective apparel.
Hygiene Measures	Use clean and correctly maintained personal protective equipment. Keep personal protective equipment in a clean place, away from the work area. Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1. Do not store, use, and / or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3. Wash exposed skin promptly to remove accidental splashes or contact with the material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Appearance	White free flowing powder
Odour	Slight formaldehyde odour.
Melting Point	90-100 °C.
Boiling Point	Not available.
Solubility in Water	Slight.
Solubility in Organic Solvents	Not available.
Specific Gravity	0.60-0.70 (powder)
pH Value	8.5 - 10
Vapour Pressure	<1 mm Hg @ 20°C
Vapour Density (Air=1)	Not available.
Flash Point	>93°C.
Flammability	Combustible.
Auto-Ignition Temperature	Not available.
Flammable Limits - Lower	Not available.
Flammable Limits - Upper	Not available.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Oxides of carbon (CO ₂ and CO), hydrocarbons, oxides of nitrogen (NO _x), ammonia, formaldehyde (when burned).
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this product.
Inhalation	Irritating to respiratory system. Inhalation of product dusts or vapours will cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Irritating to skin resulting in redness and itching. May cause sensitization by skin contact.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	This product contains formaldehyde. Formaldehyde is a Category 2 carcinogen according to National

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Occupational Health And Safety Commission (NOHSC). That is, there is sufficient evidence, on the basis of appropriate long term animal studies or other relevant information, to provide a strong presumption that human exposure to this substance may result in the development of cancer.

12. ECOLOGICAL INFORMATION

Ecological Information	No data available for this material.
Ecotoxicity	No data available for this specific product.
Persistence / Degradability	No data available for this specific product.
Mobility	No data available for this specific product.
Environmental Fate	No data available for this specific product.
Bioaccumulative Potential	No data available for this specific product.
Environ. Protection	Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, EPA, state and local regulations.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. REGULATORY INFORMATION

Poisons Schedule	Not Scheduled
Hazard Category	Irritant

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: November 2007. ...End Of MSDS...
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