

# Material Safety Data Sheet

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Infosafe No™ LPZGH Issue Date : September 2010 ISSUED by BONDALL

Product Name **MONOCEL GOLD STAIN & VARNISH GLOSS AEROSOL**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** MONOCEL GOLD STAIN & VARNISH GLOSS AEROSOL  
**Product Code** Cedar:45901; Jarrah: 45911; Golden Oak: 45921; Teak: 45941  
**Company Name** BONDALL PTY LTD (ABN 27 008 734 996)  
**Address** 113 Belmont Avenue  
Belmont  
WA 6104 Australia  
**Emergency Tel.** 0400 705 773 or Poisons Information Centre: 13 11 26  
**Telephone/Fax Number** Tel: (08) 6272 3800  
Fax: (08) 9277 4068  
**Recommended Use** Surface coatings.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Australia:  
Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).  
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
**Risk Phrase(s)** R12 Extremely Flammable.  
**Safety Phrase(s)** S16 Keep away from sources of ignition - No smoking.  
S23 Do not breathe gas/fumes/vapour/spray  
S24/25 Avoid contact with skin and eyes.  
S33 Take precautionary measures against static discharges.  
S51 Use only in well ventilated areas.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Information on Composition** The petroleum oils in this product contain less than 0.1% w/w Benzene.

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Solvent naphtha, petroleum, medium aliphatic	64742-88-7	10-30 %
	Solvent Naphtha Petroleum, light aliphatic	64742-89-8	10-30 %
	Propane (propellant)	74-98-6	5-15 %
	Butane (propellant)	106-97-8	5-15 %
	Solvent naphtha, petroleum, light aromatic	64742-95-6	1-10 %
	n-Hexane	110-54-3	1-<5 %
	Iron oxides		1-<5 %
	Methyl ethyl ketoxime	96-29-7	0-<1 %
	Other ingredients determined not to be hazardous		Balance

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the affected person to fresh air. Ensure airways are clear. Keep at rest until fully recovered. If symptoms persist seek medical attention. If breathing is shallow or has stopped, ensure clear airways and apply resuscitation. Seek immediate medical attention. Note: in confined space - DO NOT ATTEMPT RESCUE WITHOUT ADEQUATE RESPIRATORY PROTECTION.

**Ingestion** Unlikely due to form of the product. If ingestion occurs, do not induce vomiting. Wash out mouth and lips with water. Where vomiting occurs naturally

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<b>Skin</b>	have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.
<b>Eye</b>	Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops and persists, seek medical attention.
<b>First Aid Facilities</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
<b>Advice to Doctor</b>	Eye wash and normal washroom facilities.
<b>Other Information</b>	Treat symptomatically.
	For advice in an emergency, contact a Poisons Information Centre (Phone in Australia 131 126) or a doctor.

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## 5. FIRE FIGHTING MEASURES

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<b>Suitable Extinguishing Media</b>	Use carbon dioxide, dry chemical, foam, water fog or water mist.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating smoke, fumes and gases including carbon monoxide and carbon dioxide.
<b>Specific Hazards</b>	Contents under pressure - cans can explode in a fire or may become a projectile in a fire. This product is extremely flammable. Keep containers and fire-exposed surfaces cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
<b>Hazchem Code</b>	2YE
<b>Precautions in connection with Fire</b>	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Emergency Procedures</b>	Extinguish or remove all sources of ignition and stop leak if safe to do so. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Place inert, non-combustible absorbent material onto liquid spillage. Collect residues and seal in labelled drums for disposal. If contamination of sewers or waterways occurs inform the local water authorities and waste management authorities in accordance with local regulations. Dispose of waste according to applicable local and national regulations.
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## 7. HANDLING AND STORAGE

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<b>Precautions for Safe Handling</b>	EXTREMELY FLAMMABLE. VAPOUR OR GAS REDUCES OXYGEN FOR BREATHING. IN CONFINED SPACES MAY CAUSE ASPHYXIATION. Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. DO NOT store or use in confined spaces. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Open containers carefully as they may be under pressure. Keep containers closed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Do NOT cut or heat containers as they may contain hazardous residues. Do not smoke. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. Protect container against physical damage. Inspect regularly for deficiencies such as

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damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Do NOT pressurise, cut or heat aerosol containers. Content is under pressure and can explode violently. For information on the design of the storeroom, reference should be made to Australian Standard AS 2278-2000 Non-refillable metal aerosol dispensers of capacity 50 mL to 1000 mL inclusive. Reference should also be made to all Local, State and Federal regulations.

**Storage Regulations** AS 2278 Australian Standard -2000 Non-refillable metal aerosol dispensers of capacity 50 mL to 1000 mL inclusive.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC), Australia. However, the available exposure limits on the ingredients are as follows:

Australian National Occupational Health And Safety Commission (NOHSC) Exposure Standards:

Substance	TWA		STEL		Notices
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
n-Hexane	20	72	-	-	-
Hexane, other isomers	500	1760	1000	3500	-
Butane	800	1900	-	-	asphyxiant
Iron oxide fume (Fe <sub>2</sub> O <sub>3</sub> ) (as Fe)	-	5	-	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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.

**Biological Limit Values** No Biological limit available.

**Other Exposure Information** Propane and Butane are asphyxiant gases which when present in an atmosphere in high concentration, leads to reduction of oxygen concentration by displacement or dilution. It is not appropriate to recommend an exposure standard for an asphyxiant, rather it should be required that a sufficient oxygen concentration be maintained.

**Engineering Controls** Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof local exhaust ventilation system is required. Product contains asphyxiants, before entering a confined space where asphyxiant is present, check to make sure sufficient Oxygen (19.5%) exists.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. 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, in order to make any necessary changes for individual circumstances.

**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. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection** Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Coloured liquid in an aerosol pressure pack.
<b>Odour</b>	Hydrocarbon solvent odour
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	145-200°C
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	0.86
<b>pH Value</b>	Not applicable
<b>Vapour Pressure</b>	> 1 kPa
<b>Vapour Density (Air=1)</b>	>1
<b>Evaporation Rate</b>	Not available
<b>Pour Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Extremely flammable. (Contains Butane and Propane)
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions of use and handling.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No toxicity data available for this product.
<b>Inhalation</b>	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Propane and Butane are asphyxiant gases which when present in an atmosphere in high concentration, leads to reduction of oxygen concentration by displacement or dilution. Symptoms include decreased visual acuity, decreased coordination and judgment, headache, dizziness, confusion, drowsiness, fatigue, shortness of breath, muscular weakness, convulsions, unconsciousness, coma and eventually death.
<b>Ingestion</b>	Unlikely due to form of the product. If ingestion occurs, may cause lung damage if swallowed. Subsequent to ingestion or vomiting, small amounts of liquid aspirated into the respiratory system may cause severe pulmonary injury that may lead to death. May also cause irritation to the gastrointestinal system. Symptoms may include nausea, vomiting, diarrhoea and abdominal pain.
<b>Skin</b>	May be irritating to skin. The symptoms may include redness, itching and swelling.
<b>Eye</b>	May cause eye irritation, tearing, stinging, blurred vision, and redness.
<b>Chronic Effects</b>	Prolonged or repeated skin contact may cause defatting leading to dermatitis.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Not available
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<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environ. Protection</b>	Do not allow product to enter drains, waterways or sewers.

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### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. Disposal facilities must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill. Dispose of waste product in a facility permitted to accept chemical waste. Do not incinerate cans even when empty.
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### 14. TRANSPORT INFORMATION

<b>Transport Information</b>	This material is classified as a Division 2.1 (Flammable Gases) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. ( 7th edition) Division 2.1 Dangerous Goods are incompatible in a placard load with any of the following: <ul style="list-style-type: none"><li>- Class 1, Explosives</li><li>- Division 2.2 Non-flammable, Non toxic gas that have a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.</li><li>- Class 3, Flammable Liquids, if both the Division 2.1 and Class 3 dangerous goods are in tanks or other receptacles with a capacity individually exceeding 500L.</li><li>- Division 4.1, Flammable Solids</li><li>- Division 4.2, Spontaneously Combustible Substances</li><li>- Division 4.3, Dangerous When Wet Substances</li><li>- Division 5.1, Oxidising Agents</li><li>- Division 5.2, Organic Peroxides</li><li>- Class 7, Radioactive Substances</li></ul>
<b>U.N. Number</b>	1950
<b>Proper Shipping Name</b>	AEROSOLS
<b>DG Class</b>	2.1
<b>Hazchem Code</b>	2YE
<b>EPG Number</b>	2D1
<b>IERG Number</b>	49

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### 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	Australia: Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Extremely Flammable
<b>AICS (Australia)</b>	All constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

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### 16. OTHER INFORMATION

<b>Date of preparation or last revision of MSDS</b>	MSDS Created: September 2010
<b>Contact Person/Point</b>	Chemist: Tel No: (08) 6272-3800 Emergency: Tel No: 0400 705 773

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