



Material Safety Data Sheet

Infosafe No™ LQ2PF	Issue Date : October 2013	ISSUED by HBFULL
Product Name HL0916 S		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	HL0916 S
Company Name	H.B. FULLER COMPANY (ABN 003 638 435)
Address	16-22 Red Gum Drive Dandenong South Victoria 3175 Australia
Emergency Tel.	AUS: 1800 033111 (or IDD +61 3 9663 2130), NZ: 0800 734 607 (Or IDD +64 473 4607)
Telephone/Fax Number	Tel: Customer Service Toll Free Numbers: Australia 1800 423 855; New Zealand: 0800 555 072
Recommended Use	Hotmelt adhesive
Other Information	This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Company Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

2. HAZARDS IDENTIFICATION

Hazard Classification	<p>Australia: Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC). Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>New Zealand: Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.</p>
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Ingredients determined not to be hazardous.		100 %		

4. FIRST AID MEASURES

Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
Ingestion	Ingestion is not an anticipated route of exposure. However, if ingestion occurs, do not induce vomiting. Wash mouth thoroughly with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention. If molten material contacts skin, immediately cool the affected area with water for several minutes. Do not attempt to pull the material from the skin. Seek immediate medical attention.
Eye	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for at least 20 minutes until all contaminants are washed out completely. If molten material contacts eye, immediately cool the affected area with water for several minutes. Do not attempt to pull the material from the eye. Seek



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First Aid Facilities immediate medical attention.
 Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use carbon dioxide, dry chemical, foam, water mist or water spray.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes and smoke including carbon monoxide and carbon dioxide.

Specific Hazards Combustible solid; will readily burn under fire conditions.

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Do not breathe dust. Wear respiratory protection and full protective clothing to minimise exposure. Sweep up material avoiding dust generation - dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable vapour tight labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Other Information Allow molten material to solidify before disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling Prevent contact with molten product. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Establish good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage Store in a well ventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Take precautions against static electricity discharges. Use proper grounding procedures. Store away from incompatible materials such as materials that support combustion (oxidising materials). Store in suitable, labelled containers. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. For information on the handling of Combustible dusts and grounding procedure reference should be made to Australian Standard AS/NZS 4745.2004 - 'Code of Practice for Handling Combustible Dusts'.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for the material by Safe Work, Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some industrial chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The exposure limits for dust not otherwise specified are as follows:
 Safe Work, Australia exposure standards:
 Dust TWA 10 mg/m³
 New Zealand Workplace Exposure Standards (OSH):



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Biological Limit Values	Particulates TWA 10 mg/m ³ (inhalable) TWA 3 mg/m ³ (respirable) 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. No biological limits allocated.
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 local exhaust ventilation system is required.
Respiratory Protection	Normally not required, however if engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic 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 or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material, such as nitrile. When material is heated, wear thermally insulating gloves to protect against thermal burns. 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 - Selection, use and maintenance.
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber solid
Odour	Neutral odour
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Not available
Specific Gravity	0.950
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Viscosity	Not available
Flash Point	>204°C
Flammability	Combustible
Auto-Ignition Temperature	Not available
Explosion Limit - Upper	Not available
Explosion Limit - Lower	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Heat and other sources of ignition.



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Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.
Hazardous Reactions	Will react with incompatible materials.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this product.
Inhalation	Fumes from the molten material may be irritating to mucous membranes and respiratory tract. Vapours may have an offensive odour that may cause headaches, nausea and vomiting.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May cause abrasive irritation in contact with the skin. Contact with molten product can cause thermal burns with permanent scarring of tissue.
Eye	Eye contact may cause mechanical irritation. Fumes from the molten material may cause irritation. Symptoms may include redness and tearing. Direct contact with molten material can cause thermal burns.
Chronic Effects	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data are available for this material.
Persistence / Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
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Product Disposal:

This product can be disposed through a licensed commercial waste collection service. This product is non-hazardous and therefore the New Zealand HSNO regulations regarding disposal do not apply, however other regulations may apply.

This product is a non-hazardous, combustible substance; It should be recycled whenever possible or sent to an approved high temperature incineration plant for disposal.

Container Disposal:

The product is non-hazardous, therefore, the packaging may be re-used or recycled if it has been treated to remove any residual contents of the substance. Any wash-off water from the container cleaning process should be sent to a suitable waste water treatment plant before discharge into the environment.

In New Zealand, the packaging (that may or may not contain any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.



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14. TRANSPORT INFORMATION

Transport Information	<p>Road and Rail Transport:</p> <p>Australia: Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).</p> <p>New Zealand: Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.</p> <p>Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.</p> <p>Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.</p> <p>No</p>
IMDG Marine Pollutant (MP)	No

15. REGULATORY INFORMATION

Regulatory Information	<p>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).</p>
Poisons Schedule	Not Scheduled
National and or International Regulatory Information	<p>New Zealand: Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.</p>
AICS (Australia)	The listed chemicals are included in Australian Inventory of Chemical Substances (AICS) or otherwise notified under NICNAS.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: October 2013
Contact Person/Point	<p>For advice in an emergency contact:</p> <p>Australia: 1800 033 111 (or IDD +61 3 9663 2130).</p> <p>New Zealand: 0800 734 607 (or IDD +64 4 473 4607)</p>
Literature References	<p>Australia: Standard for the Uniform Scheduling of Medicines and Poisons. Approved criteria for classifying hazardous substances [NOHSC:1008(2004)]. National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)]. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH).</p> <p>New Zealand: Workplace Exposure Standards and Biological Exposure Indices , Department of Labour, Health & Safety. Transport of Dangerous goods on land NZS 5433. Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO</p>



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Act 1996 (HSNO CoP 8-1 09-06).
Assigning a hazardous substance to a group standard.
American Conference of Industrial Hygienists (ACGIH).
...End Of MSDS...

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