

Material Safety Data Sheet

CS: 1.4.93

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Infosafe No™ LPY2A	Issue Date : March 2009	ISSUED by HBFULL
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Product Name : **FULAPRENE 303**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	FULAPRENE 303
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	A chloroprene based adhesive/sealant used for sealing lap joints in sheet metal work. Apply directly, in bead form, using a caulking gun.
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	Classified as hazardous according to criteria of NOHSC Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. Classified as Dangerous Goods for transport, according to the NZS 5433:2007 Transport of Dangerous Goods on Land.
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HSNO Classification:

- 3.1B - Flammable liquid: high hazard
- 6.1E - Substance that is acutely toxic by inhalation, ingestion or aspiration
- 6.3A - Substance that is irritating to the skin
- 6.4A - Substance that is irritating to the eyes
- 6.5B - Substance that is a contact sensitiser
- 6.8B - Substance that is suspected to be a human reproductive or developmental toxicant
- 6.9B - Substance that is harmful to human target organs or systems (repeated exposure)
- 9.1C - Substance that is harmful in the aquatic environment

Hazard statement codes:

- H225 Highly flammable liquid and vapour.
- H320 Causes eye irritation.
- H333 May be harmful if inhaled.
- H303 May be harmful if swallowed.
- H305 May be harmful if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure by inhalation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statement codes- prevention:

- P102 Keep out of reach of children. - This statement applies only where the

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substance is available to the general public.
P103 Read label before use. - This statement applies only where the substance is available to the general public.
P104 Read Safety Data Sheet before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe fume/gas/mist/vapours/spray.
P264 Wash hands and skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection.
P281 Use personal protective equipment as required.

Precautionary statement codes- Response:

P101 If medical advice is needed, have product container or label at hand. - This statement applies only where the substance is available to the general public.

P314 Get medical advice/attention if you feel unwell.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

SKIN

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P362 Take off contaminated clothing and wash before re-use.

INHALATION

P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P331 Do NOT induce vomiting.

EYE

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

INGESTION

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

Precautionary statement codes - Storage:

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Precautionary statement codes - Disposal:

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

Risk Phrase(s)

Classified as hazardous according to criteria of NOHSC

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Toluene	108-88-3	10-30 %

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Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	2-Butanone	78-93-3	<10 %
	Heptane	142-82-5	<10 %
	Rosin	8050-09-7	<1 %
	Zinc oxide	1314-13-2	<1 %
	Ingredients determined not to be hazardous	-	Balance

4. FIRST AID MEASURES

Inhalation	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth and lips with water. Where vomiting occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.
Eye	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. Seek medical attention.
First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use foam, dry chemical, carbon dioxide, water fog or water spray.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes and gases including hydrogen chloride gas, hydrocarbons, carbon monoxide and carbon dioxide.
Specific Hazards	Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code	3[Y]
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid
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Conditions for Safe Storage

inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities. Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure value assigned for this specific material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Toluene	50	188	-	-	Sk
Heptane	400	1,640	500	2,050	-
2-Butanone	150	445	300	890	Bio

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.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Bio: Exposure can also be estimated by biological monitoring.

Biological Limit Values

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 flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

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 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. 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 workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities

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are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Olive green paste.
Odour	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	1.04
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Viscosity	Extrusion Viscosity at 25°C: 1.3 to 1.8g (275kPa/2.64 mm orifice)
Volatile Component	VOC: 554g/L (Volatile Organic Compounds)
Flash Point	-6°C
Flammability	Highly flammable
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 of storage and handling.
Conditions to Avoid	Extremes of temperature, direct sunlight, heat and other sources of ignition.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including hydrogen chloride gas, hydrocarbons, carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material. The available toxicity data for the ingredients are as follows: For Toluene: LD50 (Oral, Rat): 5000-7530 mg/kg LC50 (Inhalation, Rat): 49 g/m ³ /4h LC50 (Inhalation, Mouse): 400 ppm/24h For 2-Butanone: LD50 (Oral, Rat): 2737 mg/kg LC50 (Inhalation, Rat): 23.5 g/L/8h LD50 (Dermal, Rabbit): 6,480 mg/kg
Inhalation	May be harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system. Vapours may cause drowsiness, dizziness and CNS effects leading to loss of coordination and impaired

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Ingestion	judgement. May be harmful if swallowed. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea. May be harmful if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death.
Skin	Substance is irritating to the skin. Can cause redness, itching and swelling. Substance is a contact sensitiser.
Eye	Substance is irritating to the eyes. Will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	May cause damage to organs through prolonged or repeated exposure by inhalation. Overexposure to Toluene may cause progressive and potentially irreversible damage to the CNS.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.
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14. TRANSPORT INFORMATION

Transport Information	This material is classified as a Class 3 - Flammable Liquid according to NZS 5433:2007 Transport of Dangerous Goods on Land. Must not be loaded in the same freight container or on the same vehicle with: <ul style="list-style-type: none">- Class 1, Explosives- Class 2.1, Flammable gases- Class 2.3, Toxic gases- Class 4.2, Spontaneously combustible substances- Class 5.1, Oxidising substances- Class 5.2, Organic peroxides or- Class 7, Radioactive materials unless specifically exempted. Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with: <ul style="list-style-type: none">- Class 4.3, Dangerous when wet substances Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with: <ul style="list-style-type: none">- Class 4.2, Spontaneously combustible substances- Class 4.3, Dangerous when wet substances- Class 5.1, Oxidising substances- Class 5.2, Organic peroxides
U.N. Number	1133
Proper Shipping Name	ADHESIVES - containing flammable liquid

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DG Class	3
Hazchem Code	3[Y]
Packaging Method	3.8.3RT1
Packing Group	III
EPG Number	3A1
IERG Number	14
Other Information	This product complies with the requirements of subsections 2.3.2.2 and 2.3.2.3 as specified by the New Zealand Standard NZS 5433:Part1:2007 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION

National and or International Regulatory Information	New Zealand: Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Group standard: Surface Coatings and Colourants (Flammable) Group Standard 2006 HSNO Approval Number: HSR002662.
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16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: March 2009 Amendments to current issue: 18/09/2009 - Section 14: Other Information, Section 14: Packing Group
Contact Person/Point	For advice in an emergency contact: Australia: 1800 033 111 (or IDD +61 3 9663 2130). New Zealand: 0800 734 607 (or IDD +64 4 473 4607) ...End Of MSDS...

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