



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Spartacote Fast Fix Part A

**Other means of identification** None.

**Recommended use of the chemical and restrictions on use**

**Recommended use** Repair product.

**Restrictions on use** Not available.

**Details of manufacturer or importer**

**Manufacturer**

**Company name** LATICRETE International

**Address** 1 Laticrete Park, N  
Bethany, CT 06524

**Telephone** (203)-393-0010

**Contact person** Steve Fine

**Website** www.laticrete.com

**Emergency phone number** Call CHEMTREC day or night  
USA/Canada - 1.800.424.9300  
Mexico - 1.800.681.9531  
Outside USA/Canada  
1.703.527.3887

**Supplier**

**Company name** LATICRETE Australia

**Address** P.O. Box 508  
Virginia Business Mail Centre  
29 Telford Street  
VIRGINIA QLD 4014  
Australia

**Telephone** (61) (7) 3865-1599

**Website** www.laticrete.com

**Emergency phone number** 1.703.527.3887

## 2. Hazard(s) identification

### Classification of the hazardous chemical

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Specific target organ toxicity following single exposure	Category 3 respiratory tract irritation
Specific target organ toxicity following repeated exposure	Category 2 (Respiratory tract, Lung)	
<b>Environmental hazards</b>	Not classified.	

### Label elements, including precautionary statements

**Hazard symbol(s)**

Health hazard

Exclamation mark

**Signal word**

Danger

**Hazard Statement(s)**

Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. May cause respiratory irritation. May cause damage to organs (Respiratory tract, Lung) through prolonged or repeated exposure.

**Precautionary Statement(s)****Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapour. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Use only outdoors or in a well-ventilated area.

**Response**

IF exposed or concerned: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards which do not result in classification**

None known.

**Supplemental information**

None.

**3. Composition/information on ingredients****Mixture**

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Polymethylene polyphenyl isocyanate	9016-87-9	100

**Constituents**

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Methylene diphenyl diisocyanate	101-68-8	40 - 70
Solvent Naptha (petroleum), Heavy Aromatic	64742-94-5	1 - 20

**Composition comments**

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Note: CAS 101-68-8 is an MDI isomer that is part of CAS 9016-87-9.

**4. First-aid measures****Description of necessary first aid measures****Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

**Skin contact**

Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

**Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention.

<b>Ingestion</b>	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.
<b>Personal protection for first-aid responders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>Symptoms caused by exposure</b>	Irritating to eyes, respiratory system and skin. Sensitisation. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure.
<b>Medical attention and special treatment</b>	Treat symptomatically. Symptoms may be delayed.

## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Water. Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for fire fighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**Hazchem Code** None.

**General fire hazards** No unusual fire or explosion hazards noted.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**For emergency responders** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions** Environmental manager must be informed of all releases.

**Methods and materials for containment and cleaning up** Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

**Other issues relating to spills and releases** Clean up in accordance with all applicable regulations.

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with skin, eyes and clothing. Avoid breathing mist or vapour. Persons susceptible for allergic reactions should not handle this product. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Keep container tightly closed. Store in a well-ventilated place. Store away from incompatible materials.

## 8. Exposure controls and personal protection

**Control parameters** Follow standard monitoring procedures.

### Occupational exposure limits

**Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**

Constituents	Type	Value
Methylene diphenyl diisocyanate (CAS 101-68-8)	STEL	0.07 mg/m <sup>3</sup>

**Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**

Constituents	Type	Value
	TWA	0.02 mg/m3

**Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)**

Constituents	Type	Value
Methylene diphenyl diisocyanate (CAS 101-68-8)	STEL	0.07 mg/m3
	TWA	0.02 mg/m3

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Polymethylene polyphenyl isocyanate (CAS 9016-87-9)	TWA	0.005 ppm	
Methylene diphenyl diisocyanate (CAS 101-68-8)	TWA	0.005 ppm	
Solvent Naptha (petroleum), Heavy Aromatic (CAS 64742-94-5)	TWA	200 mg/m3	Non-aerosol.

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
Polymethylene polyphenyl isocyanate (CAS 9016-87-9)	STEL	0.07 mg/m3	
	TWA	0.02 mg/m3	
Methylene diphenyl diisocyanate (CAS 101-68-8)	STEL	0.07 mg/m3	
	TWA	0.02 mg/m3	

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value	Form
Polymethylene polyphenyl isocyanate (CAS 9016-87-9)	TWA	0.05 mg/m3	Inhalable fraction.
Methylene diphenyl diisocyanate (CAS 101-68-8)	TWA	0.05 mg/m3	Inhalable fraction.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** No exposure standards allocated.

**US ACGIH Threshold Limit Values: Skin designation**

Solvent Naptha (petroleum), Heavy Aromatic (CAS 64742-94-5) Can be absorbed through the skin.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas. Provide eyewash station.

**Individual protection measures, for example personal protective equipment (PPE)**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Hygiene measures</b>	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

<b>Appearance</b>	Brown liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Brown.
<b>Odour</b>	Hydrocarbon-like.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Forms crystals below 10°C.
<b>Initial boiling point and boiling range</b>	Decomposes prior to boiling.
<b>Flash point</b>	> 204.0 °C (> 399.2 °F) Closed cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	< 0.00001 mm Hg (25 °C)
<b>Vapour density</b>	8.5
<b>Relative density</b>	1.24 (20° C)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Reacts with water.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other physical and chemical parameters</b>	
<b>Dynamic viscosity</b>	100 - 150 cPs @ 25 °C
<b>Explosivity</b>	Not explosive.

## 10. Stability and reactivity

<b>Reactivity</b>	Diisocyanates react with many materials and the rate of reaction increases with temperature as well as increased contact; these reactions can become violent. Contact is increased with stirring or if the other material mixes with the diisocyanate. Diisocyanates are not soluble in water and sink to the bottom, but react slowly at the interface. The reaction forms carbon dioxide gas and a layer of solid polyurea. Reaction with water will generate carbon dioxide and heat.
<b>Chemical stability</b>	The product is stable under normal conditions of use, storage and transport.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation can occur.
<b>Conditions to avoid</b>	High temperatures.
<b>Incompatible materials</b>	Strong bases. Alcohols. Oxidizing agents. Amines. Metal compounds. Water.

**Hazardous decomposition products** Carbon oxides. Nitrogen oxides. Cyanides.

## 11. Toxicological information

### Information on possible routes of exposure

**Inhalation** May cause irritation to the respiratory system. Harmful if inhaled.  
**Skin contact** Causes skin irritation.  
**Eye contact** Causes serious eye irritation.  
**Ingestion** Ingestion may cause irritation and malaise.

**Symptoms related to exposure** Irritating to eyes, respiratory system and skin. Sensitisation. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure.

**Acute toxicity** Harmful if inhaled.

Components	Species	Test results
Polymethylene polyphenyl isocyanate (CAS 9016-87-9)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 490 mg/m <sup>3</sup> , 4 Hours
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
Constituents	Species	Test results

Methylene diphenyl diisocyanate (CAS 101-68-8)

#### **Acute**

##### *Inhalation*

LC50 Rat > 2.24 mg/l, 1 Hours

Solvent Naptha (petroleum), Heavy Aromatic (CAS 64742-94-5)

#### **Acute**

##### *Dermal*

LD50 Rabbit > 2000 mg/kg

##### *Inhalation*

LC50 Rat > 5.28 mg/l, 4 Hours

##### *Oral*

LD50 Rat > 5000 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

### Respiratory or skin sensitisation

**Respiratory sensitisation** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin sensitisation** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available.

**Carcinogenicity** Suspected of causing cancer.

#### **ACGIH Carcinogens**

Solvent Naptha (petroleum), Heavy Aromatic (CAS 64742-94-5) A3 Confirmed animal carcinogen with unknown relevance to humans.

#### **IARC Monographs. Overall Evaluation of Carcinogenicity**

Methylene diphenyl diisocyanate (CAS 101-68-8) 3 Not classifiable as to carcinogenicity to humans.

Polymethylene polyphenyl isocyanate (CAS 9016-87-9) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** No data available.

**Specific target organ toxicity - single exposure** May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure** May cause damage to organs (Respiratory tract, Lung) through prolonged or repeated exposure by inhalation.

<b>Aspiration hazard</b>	No data available.
<b>Chronic effects</b>	Prolonged exposure may cause chronic effects.
<b>Other information</b>	No other specific acute or chronic health impact noted.

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.
<b>Bioaccumulative potential</b>	Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
<b>Mobility in soil</b>	Not available.
<b>Mobility in general</b>	The product is insoluble in water.
<b>Other adverse effects</b>	Material reacts with water.

## 13. Disposal considerations

<b>Disposal methods</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

**ADG**  
Not regulated as dangerous goods.

**RID**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

### Safety, health and environmental regulations

**National regulations** This Material Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

**Australia Medicines & Poisons Appendix A**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix B**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix C**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix D**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix E**

Solvent Naptha (petroleum), Heavy Aromatic (CAS 64742-94-5)

For advice, contact a Poisons information Centre (Phone eg Australia 131 - 126; New Zealand 03 - 4747 - 000) or a doctor (at once)., If swallowed, do NOT induce vomiting.

**Australia Medicines & Poisons Appendix F**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix G**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix H**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix I**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix J**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix K**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 2**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 3**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 4**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 5**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 6**

Methylene diphenyl diisocyanate (CAS 101-68-8)

applies to all preparations in any concentration Exception may apply, see the regulation for relevance.

Polymethylene polyphenyl isocyanate (CAS 9016-87-9)

applies to all preparations in any concentration Exception may apply, see the regulation for relevance.

**Australia Medicines & Poisons Schedule 7**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 8**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 9**

Poisons schedule number not allocated.

**Australia National Pollutant Inventory (NPI): Threshold quantity**

Methylene diphenyl diisocyanate (CAS 101-68-8)

10 TONNES/YR Threshold Category: 1

Polymethylene polyphenyl isocyanate (CAS 9016-87-9)

10 TONNES/YR Threshold Category: 1

**High Volume Industrial Chemicals (HVIC)**

Methylene diphenyl diisocyanate (CAS 101-68-8)

1000 - 9999 TONNES See the regulation for additional information.

Polymethylene polyphenyl isocyanate (CAS 9016-87-9)

1000 - 9999 TONNES See the regulation for additional information.

Solvent Naptha (petroleum), Heavy Aromatic (CAS 64742-94-5)

10000 - 99999 TONNES See the regulation for additional information.

**Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)**

Not listed.

**National Pollutant Inventory (NPI) substance reporting list**

Not listed.

**Prohibited Carcinogenic Substances**

Not regulated.

**Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)**

Not listed.

**Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not listed.

**Restricted Carcinogenic Substances**

Not regulated.

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.



**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

<b>Issue date</b>	12-October-2015
<b>Revision date</b>	-
<b>References</b>	HSDB® - Hazardous Substances Data Bank Registry of Toxic Effects of Chemical Substances (RTECS) IARC Monographs. Overall Evaluation of Carcinogenicity
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