



SAFETY DATA SHEET

1. Identification

Product identifier SPARTACOTE® Fast Fix No Odor 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

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

Physical hazards Not classified.

Health hazards	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, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, repeated exposure	Category 2 (Respiratory tract, Lung)

Environmental hazards 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 vapor. 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
Light paraffinic distillate solvent	64742-05-8	5 - 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.

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

5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	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 vapor. 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)

Components	Type	Value
Polymethylene polyphenyl isocyanate (CAS 9016-87-9)	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³

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

Constituents	Type	Value
Light paraffinic distillate solvent (CAS 64742-05-8)	TWA	5 mg/m3
Methylene diphenyl diisocyanate (CAS 101-68-8)	STEL	0.07 mg/m3
	TWA	0.02 mg/m3

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

Components	Type	Value	Form
Polymethylene polyphenyl isocyanate (CAS 9016-87-9)	STEL	0.07 mg/m3	
	TWA	0.02 mg/m3	
Constituents	Type	Value	Form
Light paraffinic distillate solvent (CAS 64742-05-8)	TWA	5 mg/m3	Mist.
Methylene diphenyl diisocyanate (CAS 101-68-8)	STEL	0.07 mg/m3	
	TWA	0.02 mg/m3	

US. ACGIH Threshold Limit Values

Constituents	Type	Value	Form
Light paraffinic distillate solvent (CAS 64742-05-8)	TWA	5 mg/m3	Inhalable fraction.
Methylene diphenyl diisocyanate (CAS 101-68-8)	TWA	0.005 ppm	

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Polymethylene polyphenyl isocyanate (CAS 9016-87-9)	STEL	0.07 mg/m3
	TWA	0.02 mg/m3
Constituents	Type	Value
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.
Constituents	Type	Value	Form
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.

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. Provide eyewash station.
Individual protection measures, for example personal protective equipment (PPE)	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	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

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

10. Stability and reactivity

Reactivity	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.
Chemical stability	The product is stable under normal conditions of use, storage and transport.
Possibility of hazardous reactions	Hazardous polymerization can occur.
Conditions to avoid	High temperatures.
Incompatible materials	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. Sensitization. Be aware that symptoms of lung edema (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)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 490 mg/m ³ , 4 Hours
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
Constituents	Species	Test Results

Methylene diphenyl diisocyanate (CAS 101-68-8)

Acute		
<i>Inhalation</i>		
LC50	Rat	> 2.24 mg/l, 1 Hours

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization	May cause an allergic skin reaction.

Germ cell mutagenicity No data available.

Carcinogenicity Suspected of causing cancer.

ACGIH Carcinogens

Light paraffinic distillate solvent (CAS 64742-05-8) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Light paraffinic distillate solvent (CAS 64742-05-8)	3 Not classifiable as to carcinogenicity to humans.
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 tract irritation.

Specific target organ toxicity - repeated exposure	May cause damage to organs (Respiratory tract, Lung) through prolonged or repeated exposure by inhalation.
Aspiration hazard	No data available.
Chronic effects	Prolonged exposure may cause chronic effects.
Other information	No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity	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.
Persistence and degradability	In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.
Bioaccumulative potential	Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Mobility in soil	Not available.
Mobility in general	The product is insoluble in water.
Other adverse effects	Material reacts with water.

13. Disposal considerations

Disposal methods	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.
Residual waste	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).
Contaminated packaging	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 established.

15. Regulatory information

Safety, health and environmental regulations

National regulations This 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 Schedule 6

ISOCYANATES, FREE ORGANIC, BOILING BELOW 300.DEGREE.C (CAS 101-68-8)

ISOCYANATES, FREE ORGANIC, BOILING BELOW 300.DEGREE.C (CAS 9016-87-9)

Australia National Pollutant Inventory (NPI): Threshold quantity

Methylene diphenyl diisocyanate (CAS 101-68-8) 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.

Importation of Ozone Depleting 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

Country(s) or region	Inventory name	On inventory (yes/no)*
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

Issue date	01-December-2016
Revision date	-
References	HSDB® - Hazardous Substances Data Bank Registry of Toxic Effects of Chemical Substances (RTECS) IARC Monographs. Overall Evaluation of Carcinogenicity
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