1. Identification

Product identifier  SPARTACOTE® Fast Fix NoOdor 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 Bethanny, 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
SPARTACOTE® Fast Fix No Odor Part A

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

<table>
<thead>
<tr>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymethylene polyphenyl isocyanate</td>
<td>9016-87-9</td>
<td>100</td>
</tr>
</tbody>
</table>

Constituents

<table>
<thead>
<tr>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene diphenyl diisocyanate</td>
<td>101-68-8</td>
<td>40 - 70</td>
</tr>
<tr>
<td>Light paraffinic distillate solvent</td>
<td>64742-05-8</td>
<td>5 - 20</td>
</tr>
</tbody>
</table>

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
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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

Unsuitable extinguishing media
During fire, gases hazardous to health may be formed.

Specific hazards arising from the chemical
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special protective equipment and precautions for fire fighters
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

5. Fire-fighting measures

Hazchem code
None.

General fire hazards
No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
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 non-emergency personnel
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders
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.

Other issues relating to spills and releases
Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

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)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymethylene polyphenyl isocyanate</td>
<td>STEL</td>
<td>0.07 mg/m³</td>
</tr>
<tr>
<td>(CAS 9016-87-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
</tbody>
</table>

SPARTACOTE® Fast Fix No Odor Part A

930257 Version #: 01 Revision date: - Issue date: 01-December-2016

SDS Australia

3 / 8
### Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

<table>
<thead>
<tr>
<th>Constituents</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light paraffinic distillate solvent (CAS 64742-05-8)</td>
<td>TWA</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>STEL</td>
<td>0.07 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymethylene polyphenyl isocyanate (CAS 9016-87-9)</td>
<td>STEL</td>
<td>0.07 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
</tbody>
</table>

### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Constituents</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light paraffinic distillate solvent (CAS 64742-05-8)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td>TWA</td>
<td>0.005 ppm</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymethylene polyphenyl isocyanate (CAS 9016-87-9)</td>
<td>STEL</td>
<td>0.07 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.02 mg/m³</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymethylene polyphenyl isocyanate (CAS 9016-87-9)</td>
<td>TWA</td>
<td>0.05 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>

**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

Hazardous decomposition products

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

<table>
<thead>
<tr>
<th>Constituents</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymethylene polyphenyl isocyanate (CAS 9016-87-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 490 mg/m3, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate (CAS 101-68-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rat</td>
<td>&gt; 2.24 mg/l, 1 Hours</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td></td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td></td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td></td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td></td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td></td>
<td>No data available.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td></td>
<td>Suspected of causing cancer.</td>
</tr>
<tr>
<td>ACGIH Carcinogens</td>
<td></td>
<td>A4 Not classifiable as a human carcinogen.</td>
</tr>
<tr>
<td>IARC Monographs. Overall Evaluation of Carcinogenicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light paraffinic distillate solvent (CAS 64742-05-8)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
<td></td>
</tr>
<tr>
<td>Methylenediphenyl diisocyanate (CAS 101-68-8)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
<td></td>
</tr>
<tr>
<td>Polymethylene polyphenyl isocyanate (CAS 9016-87-9)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td></td>
<td>No data available.</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td></td>
<td>May cause respiratory tract irritation.</td>
</tr>
</tbody>
</table>
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
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 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

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockholm Convention</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Rotterdam Convention</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Kyoto protocol</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Montreal Protocol</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Basel Convention</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### International Inventories

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

*“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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>01-December-2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>-</td>
</tr>
<tr>
<td>References</td>
<td>HSDB® - Hazardous Substances Data Bank</td>
</tr>
<tr>
<td></td>
<td>Registry of Toxic Effects of Chemical Substances (RTECS)</td>
</tr>
<tr>
<td></td>
<td>IARC Monographs. Overall Evaluation of Carcinogenicity</td>
</tr>
<tr>
<td>Disclaimer</td>
<td>The information in this (M)SDS was obtained from sources which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or warranty express or implied.</td>
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</tbody>
</table>