1. Identification

Product identifier  SPARTACOTE® Flex Pure Part B
Other means of identification  None.
Recommended use of the chemical and restrictions on use
   Recommended use  Decorative coating.
   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 2A
       Sensitization, respiratory  Category 1
       Sensitization, skin  Category 1

   Environmental hazards  Not classified.

Label elements, including precautionary statements

   Hazard symbol(s)
      Exclamation mark
      Health hazard

   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.

Precautionary statement(s)

Prevention
Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. Use only outdoors or in a well-ventilated area.

Response
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing 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: Remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage
Store away from incompatible materials.

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>Homopolymer of Hexamethylene Diisocyanate</td>
<td>28182-81-2</td>
<td>74 - 80</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether acetate</td>
<td>88917-22-0</td>
<td>15 - 17</td>
</tr>
<tr>
<td>Hexamethylene-1, 6-diisocyanate</td>
<td>822-06-0</td>
<td>0.5 - 1</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.

4. First-aid measures

Description of necessary first aid measures

Inhalation
Move into fresh air and keep at rest. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Skin contact
Flush thoroughly with water for at least 15 minutes. If skin rash or an allergic skin reaction develops, get medical attention. Get medical attention if irritation develops and persists.

Eye contact
Flush thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

Ingestion
Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Get medical attention if symptoms occur.

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. Irritation of nose and throat. Irritating to mucous membranes.

Medical attention and special treatment
Treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media
Suitable extinguishing media
Water spray, carbon dioxide, dry chemical or alcohol-resistant foam.

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire.

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

Special protective equipment and precautions for firefighters
Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. 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. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do it without risk.

Hazchem code
None.

General fire hazards
Will burn if involved in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Keep unnecessary personnel away. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. 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
Use personal protection recommended in Section 8 of the SDS.

Environmental precautions
Avoid release to the environment. Environmental manager must be informed of all major releases.

Methods and materials for containment and cleaning up
Large Spills: Remove sources of ignition. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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
Do not breathe mist or vapor. Do not smoke or use open fire or other sources of ignition. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Store in a cool and well-ventilated place.

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>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</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>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</td>
<td>STEL</td>
<td>0.07 mg/m3</td>
</tr>
<tr>
<td>Homopolymer of Hexamethylene Diisocyanate (CAS 28182-81-2)</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>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</td>
<td>TWA</td>
<td>0.005 ppm</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>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</td>
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<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>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</td>
<td>TWA</td>
<td>0.035 mg/m³</td>
<td>Vapor and aerosol.</td>
</tr>
<tr>
<td>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</td>
<td></td>
<td>0.005 ppm</td>
<td>Vapor and aerosol.</td>
</tr>
</tbody>
</table>

Biological limit values

Germany. TRGS 903, BAT List (Biological Limit Values)

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</td>
<td>15 µg/g</td>
<td>Hexamethylene diamine (nach Hydrolyse)</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
</tbody>
</table>

ACGIH Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)</td>
<td>15 µg/g</td>
<td>Hexamethylene diamine (with hydrolysis)</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

Appropriate engineering controls

Provide adequate ventilation and minimize the risk of inhalation of vapors.

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

- Eye/face protection: Wear approved safety glasses or goggles.
- Skin protection: Wear appropriate chemical resistant gloves. Rubber gloves are recommended.
- Hand protection: Wear appropriate chemical resistant clothing.
- Other: In case of insufficient ventilation, wear suitable respiratory equipment.
- Respiratory protection: Wear appropriate thermal protective clothing, when necessary.
- Hygiene measures: 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.

9. Physical and chemical properties

Appearance

- Physical state: Liquid.
- Form: Liquid.
- Color: Not available.
- Odor: Not available.
- Odor threshold: Not available.
- pH: Not available.
- Melting point/freezing point: Not available.
Initial boiling point and boiling range
466 °F (241.11 °C)

Flash point
217.0 °F (102.8 °C)

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.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
Not available.

Vapor density
6.5 (air = 1)

Relative density
1.104

Solubility(ies)
Solubility (water)
Insoluble

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

 Decomposition temperature
Not available.

Viscosity
Not available.

Other physical and chemical parameters
Oxidizing properties
Not oxidizing.

10. Stability and reactivity
Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Risk of ignition. Stable at normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials

Hazardous decomposition products

11. Toxicological information
Information on possible routes of exposure
Inhalation
May cause respiratory irritation.

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. Irritation of nose and throat. Irritating to mucous membranes.

Acute toxicity
Harmful if inhaled.

Components
Species
Test Results

Dipropylene glycol methyl ether acetate (CAS 88917-22-0)

Acute
Dermal
LD50
Rabbit
> 5000 mg/kg
Components | Species | Test Results
--- | --- | ---
Homopolymer of Hexamethylene Diisocyanate (CAS 28182-81-2) |  |  
**Acute**
*Inhalation*
LC50 | Rat | 4.62 mg/l, 4 h  
**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 allergic skin reaction.  
**Germ cell mutagenicity** | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.  
**Carcinogenicity** | Not classified.  
**Reproductive toxicity** | Not classified.  
**Specific target organ toxicity - single exposure** | Not classified.  
**Specific target organ toxicity - repeated exposure** | Not classified.  
**Aspiration hazard** | Not classified.  
**Chronic effects** | Prolonged or repeated contact may dry skin and cause dermatitis.  
**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** | No data is available on the degradability of this product.  
**Bioaccumulative potential** | No data available for this product.  
**Mobility in soil** | Not available.  
**Mobility in general** | The product is insoluble in water.  
**Other adverse effects** | No data available.  

**13. Disposal considerations**

**Disposal methods** | Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies.  
**Residual waste** | Dispose of in accordance with local regulations.  
**Contaminated packaging** | Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of in accordance with local regulations.  

**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 applicable.  

**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 28182-81-2)
ISOCYANATES, FREE ORGANIC, BOILING BELOW 300.DEGREE.C (CAS 822-06-0)
High Volume Industrial Chemicals (HVIC)
Not listed.
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

<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>No</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>No</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>

* 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)
Disclaimer
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