1. Product and Company Identification

Product identifier: Spartacote Diamond Topp Surface Additive
Version #: 01
Issue date: 16-July-2015
Revision date: -
Supersedes date: -
CAS #: Mixture
Product use: Surface additive.

Manufacturer information
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 ChemTel day or night
USA/Canada - 1.800.255.3924
Mexico - 1.800.099.0731
Outside USA/Canada
1.813.248.0585

2. Hazards Identification

Emergency overview: May cause eye, skin and respiratory tract irritation.
Potential health effects:
Routes of exposure: Eye contact. Skin contact. Inhalation.
Eyes: Dust may irritate the eyes.
Skin: May cause irritation through mechanical abrasion.
Inhalation: Dust may irritate the respiratory system.
Ingestion: May cause discomfort if swallowed.

Target organs: Eyes. Respiratory tract.
Chronic effects: Prolonged exposure may cause chronic effects.
Signs and symptoms: Irritation of eyes and mucous membranes. Irritation of nose and throat.
Potential environmental effects: 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.

3. Composition / Information on Ingredients

Components | CAS # | Percent
--- | --- | ---
Aluminum oxide | 1344-28-1 | 100

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

First aid procedures
Inhalation: Remove victim to fresh air. Get medical attention if symptoms persist.
Skin contact: Wash area with soap and water. Get medical attention if irritation develops or persists.
Eye contact: Do not rub eyes. Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.
Ingestion
Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.

Notes to physician
Treat symptomatically.

General advice
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties
No unusual fire or explosion hazards noted.

Extinguishing media

- Suitable extinguishing media
  - Water spray, foam, dry powder or carbon dioxide.

- Unsuitable extinguishing media
  - No restrictions known.

Protection of firefighters

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

- Protective equipment 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
- Use standard firefighting procedures and consider the hazards of other involved materials.

Explosion data
- Sensitivity to static discharge
  - Not sensitive.

- Sensitivity to mechanical impact
  - Not sensitive.

Hazardous combustion products
- Carbon dioxide. Carbon monoxide.

6. Accidental Release Measures

Personal precautions
Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the MSDS.

Environmental precautions
- Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods for cleaning up
- Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not vacuum clean unless vacuum cleaners are equipped with HEPA filter. Should not be released into the environment. For waste disposal, see section 13 of the MSDS.

Other information
- Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling
Avoid inhalation of dust and contact with skin and eyes. Use work methods which minimize dust production. Provide appropriate exhaust ventilation at places where dust is formed. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Storage
Store in a cool, dry place out of direct sunlight.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide (CAS 1344-28-1)</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

<table>
<thead>
<tr>
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<th>Value</th>
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<tbody>
<tr>
<td>Aluminum oxide (CAS 1344-28-1)</td>
<td>TWA</td>
<td>10 mg/m3</td>
</tr>
</tbody>
</table>
### Components

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**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

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**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

### Components

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**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

### Components

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<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide (CAS 1344-28-1)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

### Components

<table>
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</tr>
</thead>
<tbody>
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<td>TWA</td>
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<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

### Components

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<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide (CAS 1344-28-1)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

**Engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

- **Eye / face protection**: Wear safety glasses with side shields (or goggles).
- **Skin protection**: Wear suitable protective clothing.
- **Respiratory protection**: Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

### Physical & Chemical Properties

**Appearance**

- **Powder.**

**Physical state**

- **Solid.**

**Form**

- **Powder.**

**Color**

- **Grey.**

**Odor**

- **None.**

**Odor threshold**

- **Not available.**

**pH**

- **Not available.**

**Vapor pressure**

- **Not available.**

**Vapor density**

- **Not available.**

**Boiling point**

- **Not available.**

**Melting point/Freezing point**

- **Not available.**

**Solubility (water)**

- **Insoluble in water.**

**Specific gravity**

- **Not available.**

**Flash point**

- **Does not burn.**

**Flammability limits in air, upper, % by volume**

- **Not available.**

**Flammability limits in air, lower, % by volume**

- **Not available.**

**Auto-ignition temperature**

- **Not available.**

**Evaporation rate**

- **Not available.**
10. Chemical Stability & Reactivity Information

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

Chemical stability
Material is stable under normal conditions.

Conditions to avoid
Contact with incompatible materials.

Incompatible materials
Strong acids.

Hazardous decomposition products
Carbon monoxide (CO). Carbon dioxide (CO2).

Possibility of hazardous reactions
Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects
May cause discomfort if swallowed.

Sensitization
Not a skin sensitizer.

Local effects
Dusts may irritate the respiratory tract, skin and eyes.

Chronic effects
Prolonged exposure may cause chronic effects.

Carcinogenicity
Not classifiable as to carcinogenicity to humans.

ACGIH Carcinogens
Aluminum oxide (CAS 1344-28-1) A4 Not classifiable as a human carcinogen.

Skin corrosion/irritation
May cause irritation through mechanical abrasion.

Serious eye damage/irritation
Dust in the eyes will cause irritation.

Mutagenicity
No data available.

Reproductive effects
No data available.

Teratogenicity
Not available.

Symptoms and target organs
Irritation of eyes and mucous membranes. Irritation of nose and throat.

Synergistic materials
Not available.

12. Ecological Information

Ecotoxicological data
No ecotoxicity data noted for the ingredient(s).

Ecotoxicity
Not expected to be harmful to aquatic organisms.

Environmental effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Aquatic toxicity
Not classified.

Persistence and degradability
The product is not biodegradable.

Bioaccumulation / accumulation
The product is not expected to bioaccumulate.

Mobility in environmental media
The product is insoluble in water. Aluminum oxide is not mobile in the environment, unless it comes into contact with an aqueous environment with a pH below 5.5 or above 8.5.

13. Disposal Considerations

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

Waste from residues / unused products
Dispose of in accordance with local regulations.

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

TDG
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

15. Regulatory Information

Canadian regulations
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status
Non-controlled

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>
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<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>
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<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

NFPA ratings
Health: 1
Flammability: 0
Instability: 0

Disclaimer
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.

Prepared by
LATICRETE International