1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Dura-Patch® Compound
Recommended uses: A specially formulated cementitious patching compound
Restrictions on uses: None identified
Supplier: Maxxon Corporation
920 Hamel Road │ PO Box 253
Hamel, MN 55340
Company Telephone/Fax: (763) 478-9600 / (763) 478-2431
Emergency Telephone Number: (800) 424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

GHS Label elements:
Hazard Pictograms

Emergency overview: CAUTION; A natural chemical reaction during hardening (rehydration) develops sufficient heat that may cause severe burns in the event of contact with skin. These burns may possibly result in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Crushing, mixing, sanding or otherwise working with this product may generate large amounts of dust. Dust can be irritating to the eyes, skin, and respiratory system.

Potential Health Effects

Inhalation: Dust may cause respiratory tract irritation.
Skin: Skin contact during hardening (rehydration) may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.
Eyes: Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Ingestion: Not applicable under normal conditions of use. May result in obstruction and temporary irritation of the digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS#</th>
<th>Percent/Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Sulfate</td>
<td>10101-41-4</td>
<td>30-60%</td>
</tr>
<tr>
<td>Calcium Oxide</td>
<td>1305-78-8</td>
<td>10-30%</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>7631-86-9</td>
<td>10-30%</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
<td>1344-28-1</td>
<td>7-13%</td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>1309-48-4</td>
<td>1-5%</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)*</td>
<td>14808-60-7</td>
<td>1-5%</td>
</tr>
</tbody>
</table>
Safety Data Sheet according to OSHA-GHS
(29 CFR part 1910.1200 HCS 2012)

PRODUCT NAME: Dura-Patch® Compound
Product Code: 13001
Date of Issue: January 2018
Supersedes: May 2015

3. COMPOSITION/INFORMATION ON INGREDIENTS (CONTINUED)

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS#</th>
<th>Percent/Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfur Trioxide</td>
<td>7466-11-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Sodium Oxide</td>
<td>1313-59-3</td>
<td>1-5%</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>0.1-1%</td>
</tr>
</tbody>
</table>

Composition comments: This product contains fly ash. Hazardous components of the fly ash are listed in the table above. Gypsum (Calcium Sulfate) and fly ash contain naturally occurring Crystalline Silica (Quartz) which is listed as a lung carcinogen. This product also contains Titanium Dioxide, which is listed as a possible lung carcinogen. See Section 8 for exposure information.

*The weight percent for Crystalline Silica represents total Crystalline Silica and not the respirable fraction. Testing conducted by Maxxon Corporation did not detect respirable Crystalline Silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

4. FIRST AID MEASURES

First aid procedures

- **Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.
- **Skin Contact:** For skin contact, immediately wash with soap and water. Get medical attention if irritation develops or persists.
- **Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
- **Ingestion:** May result in obstruction and irritation if ingested. Get medical attention.

5. FIRE FIGHTING MEASURES

- **Flammable properties:** Not flammable by OSHA/WHMIS criteria.
- **Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- **Protective equipment and precautions for firefighters:** Firefighters should wear full protective clothing including self-contained breathing apparatus.
- **Explosion Data**
  - **Sensitivity to static discharge:** Not applicable.
  - **Sensitivity to mechanical impact:** Not applicable.
- **Hazardous combustion products:** May include, and are not limited to: Calcium Oxide, Sulfur Dioxide, Magnesium Oxide, Aluminum Oxide, and Sulfur Trioxide.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Use personal protection recommended in Section 8. Keep unnecessary personnel away from the release.
- **Environmental precautions:** Keep out of drains, sewers, ditches, and waterways.
- **Methods for containment:** Contain the spill, then place in a suitable container. Minimize dust generation.
- **Methods for cleaning up:** Sweep up or gather material and place in appropriate container for disposal.
7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Use only in well-ventilated areas. Open and handle container with care. Wear appropriate NIOSH approved dust mask or filtering face piece if dust is generated. Do not eat or drink while using the product. Wash hands before eating, drinking, or smoking.

Conditions for safe storage: Keep the container tightly closed and dry. Store in a covered, dry, climate controlled area, away from incompatibles.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Material</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Sulfate (CAS 10101-41-4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>10 mg/m³ TWA (inhalable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>15 mg/m³ TWA (total dust)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ TWA (respirable fraction)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Oxide (CAS 1305-78-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>2 mg/m³ TWA</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>5 mg/m³ TWA</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Amorphous Silica (CAS 7631-86-9)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>10 mg/m³ TWA (inhalable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>3 mg/m³ TWA (respirable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>20 mppcf TWA ((80 mg/m³)%SiO₂) TWA</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Aluminum Oxide (CAS 1344-28-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>10 mg/m³ TWA (inhalable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>3 mg/m³ TWA (respirable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>15 mg/m³ TWA (total dust)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ TWA (respirable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Magnesium Oxide (CAS 1309-48-4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>10 mg/m³ TWA (inhalable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>15 mg/m³ TWA (total particulate)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>
8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Crystalline Silica (Quartz)* (CAS 14808-60-7)

<table>
<thead>
<tr>
<th></th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>0.025 mg/m³ TWA (respirable fraction)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>((10)/(%SiO₂ + 2) mg/m³ TWA (respirable))</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>((30)/(%SiO₂ + 2) mg/m³ TWA (total dust))</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>((250)/(%SiO₂ + 5) mppcf TWA (respirable))</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Sulfur Trioxide (CAS 7446-11-9)

<table>
<thead>
<tr>
<th></th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Sodium Oxide (CAS 1313-59-3)

<table>
<thead>
<tr>
<th></th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Titanium Dioxide (CAS 13463-67-7)

<table>
<thead>
<tr>
<th></th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>10 mg/m³ TWA</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td>15 mg/m³ TWA (total dust)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Exposure Guidelines: *The weight percent for Crystalline Silica represents total Crystalline Silica and not the respirable fraction. Testing conducted by Maxxon Corporation did not detect respirable Crystalline Silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

Engineering Controls: When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.

Personal protective equipment

Eye/Face protection: Safety glasses or goggles are recommended when using this product. Ensure compliance with OSHA’s PPE standards (29 CFR 1910.132 (general) and 133 (eye and face protection)). Safety shower/eye wash fountain must be readily available in the workplace area (29 CFR 1910.151(c)).

Skin protection: Impervious protective clothing and gloves are recommended to prevent drying or irritation of skin. Ensure compliance with OSHA’s PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)). Safety shower/eye wash fountain must be readily available in the workplace area (29 CFR 1910.151(c)).

Respiratory protection: A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by, and used under the direction of a trained health and safety professional following requirements found in OSHA’s respirator standard (29 CFR 1910.134) and ANSI’s standard for respiratory protection (Z88.2).
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance
- Color: Light grey to white
- Physical state: Solid
- Odor: Low odor
- Odor Threshold: Not Available
- pH value: 10 - 12
- Freezing point: Not Applicable
- Boiling point: Not Applicable
- Flash point: Not Applicable
- Evaporation rate: Not Available
- Flammability: Not Flammable
- Flammability limit - lower %: Not Applicable
- Flammability limit - upper %: Not Applicable
- Explosive limit - lower %: Not Applicable
- Explosive limit - upper %: Not Applicable
- Vapor pressure: Not Applicable
- Vapor density: Not Applicable
- Specific gravity: 2.58
- Octanol/H2O coefficient: Not Available
- Solubility (water): 1.43% @ 71.6° F (22° C)
- Auto Ignition Temperature (AIT): Not Applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stable at normal conditions.
Conditions of Reactivity: Reacts with water (normal condition of use).
Incompatible materials: Acids.
Hazardous decomposition products: May include, and are not limited to: Calcium Oxide, Sulfur Dioxide, Magnesium Oxide, Aluminum Oxide, and Sulfur Trioxide.
Possibility of hazardous reactions: Not expected under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Toxicological information: No toxicological data available for this product. Toxicological information for components of this product is listed below.

Toxicological information (Ingredients)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Route of Exposure</th>
<th>Species</th>
<th>Result/Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>Oral</td>
<td>Rat</td>
<td>LD50: &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>(CAS 1344-28-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>Oral</td>
<td>Rat</td>
<td>LD50: &gt;5,000 mg/kg</td>
</tr>
<tr>
<td>(CAS 7631-86-9)</td>
<td>Inhalation</td>
<td>Rat</td>
<td>LC50: &gt; 2.2 mg/L, 1 hour</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50: &gt;2,000 mg/kg</td>
</tr>
</tbody>
</table>
11. TOXICOLOGICAL INFORMATION (Continued)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Route</th>
<th>Species</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Oxide (CAS 1305-78-8)</td>
<td>Oral</td>
<td>Rat</td>
<td>LD50: 500 mg/kg</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz) (CAS 14808-60-7)</td>
<td>Oral</td>
<td>Rat</td>
<td>LD50: 500 mg/kg</td>
</tr>
<tr>
<td>Calcium Sulfate (CAS 10101-41-4)</td>
<td>Oral</td>
<td>Rat</td>
<td>LD50: &gt;3,000 mg/kg</td>
</tr>
<tr>
<td>Sulfur Trioxide (CAS 7446-11-9)</td>
<td>Inhalation</td>
<td>Rat</td>
<td>LC50: 0.375 mg/L, 4 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: 1.2 mg/L, 1 hour</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>Oral</td>
<td>Rat</td>
<td>LD50: &gt;10,000 mg/kg</td>
</tr>
</tbody>
</table>

Routes of exposure: Skin contact, eye contact, and inhalation.
Sensitization: Not expected to be hazardous by OSHA/WHMIS criteria.
Chronic effects: Hazardous by OSHA/WHMIS criteria.

Respirable Titanium Dioxide from occupational sources has been classified by IARC as a possible lung carcinogen to humans. Human studies do not suggest an association between occupational exposure to Titanium Dioxide and an increased risk for cancer. Evidence showed that high concentrations caused respiratory tract cancer in rats exposed by inhalation and intratracheal instillation.

Sulfur Trioxide has not been classified for carcinogenic effects. However, IARC concluded that occupational exposure to strong inorganic mist containing Sulfuric Acid, formed from Sulfur Trioxide reacting with water, is carcinogenic to humans. The ACGIH has classified strong inorganic acid mist containing Sulfuric Acid as a suspected human carcinogen. Exposure to inorganic acid mist (Sulfuric Acid mist) in this product will not occur because inorganic acid is not generated under normal conditions of use of this material.

Carcinogenicity: Hazardous by OSHA/WHMIS criteria.

Titanium Dioxide (CAS 13463-67-7)
- IARC - Group 2B (Possibly carcinogenic to humans)
- Monograph 93 [in preparation]; Monograph 47 [1989]
- U.S. - OSHA - Hazard Communication Carcinogens Present

Mutagenicity: Not expected to be hazardous by OSHA/WHMIS criteria.
Reproductive effects: Not expected to be hazardous by OSHA/WHMIS criteria.
Teratogenicity: Not expected to be hazardous by OSHA/WHMIS criteria.
Synergistic materials: Not available.
12. ECOLOGICAL INFORMATION

Ecotoxicity: Large quantities of this product may be harmful to aquatic life due to high pH.

Amorphous Silica (CAS 7631-86-9)
Ecotoxicity - Freshwater Algae Data
72 Hr EC50 Pseudokirchneriella subcapitata: 440 mg/L
Ecotoxicity - Freshwater Fish Species Data
96 Hr LC50 Brachydanio rerio: 5,000 mg/L [static]

Calcium Oxide (CAS 1305-78-8)
Ecotoxicity - Freshwater Fish Species Data
96 Hr LC50 Cyprinus carpio: 1,070 mg/L [static]

Calcium Sulfate (CAS 10101-41-4)
Ecotoxicity - Freshwater Fish Species Data
96 Hr LC50 Lepomis macrochirus: 2,980 mg/L [static]
96 Hr LC50 Pimephales promelas: > 1,970 mg/L [static]

13. DISPOSAL CONSIDERATIONS

Disposal instructions: Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

14. TRANSPORTATION INFORMATION

Department of Transportation (DOT) Requirements: This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.

Canadian Transportation of Dangerous Goods (TDG) Requirements: Not regulated as dangerous goods.

15. REGULATORY INFORMATION


TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not Regulated

CERCLA Hazardous Substance List (40 CFR 302.4)
Not Listed

SARA 304 Emergency release notification
Sulfur Trioxide (CAS 7446-11-9) 100 lbs

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not Regulated
15. REGULATORY INFORMATION (CONTINUED)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories
Immediate Hazard – Yes
Delayed Hazard – Yes
Fire Hazard – No
Pressure Hazard - No
Reactivity Hazard – No

Section 302 Extremely hazardous substance: Yes
Section 311 hazardous chemical: Yes
Section 313 hazardous chemical: No

US Federal Regulations
Aluminum Oxide (CAS 1344-28-1)
US-CERCLA/SARA-Section 313, Emission Reporting: 1.0% de minimis concentration (fibrous forms)
Sulfur Trioxide (CAS 7446-11-9)
US-CERCLA/SARA-Section 302, Extremely Hazardous Substances EPCRA RQs: 100 lb EPCRA RQ
US-CERCLA/SARA-Section 302, Extremely Hazardous Substances TPQs: 100 lb TPQ (This material is a reactive solid. The TPQ does not default to 10,000 pounds for non-powder, non-molten, non-solution form)

Canadian Regulations
Canada-WHMIS-Ingredient Disclosure List
Aluminum Oxide 1344-28-1 1%
Amorphous Silica 7631-86-9 1%
Calcium Oxide 1305-78-8 1%
Crystalline Silica (Quartz) 14808-60-7 1%
Magnesium Oxide 1309-48-4 1%
Sulfur Trioxide 7446-11-9 1%

Inventory Status
Country(s) or region | Inventory Name | On Inventory (yes/no)*
--- | --- | ---
Canada | Domestic Substances List (DSL) | Yes
U.S. and Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Product List: Dura-Patch® Compound
Issue Date: May 2015
Version #: 04
Revision Date: January, 2018
Prepared by: Maxxon Corporation
HMIS® ratings:
Health: 1*
Flammability: 0
Physical hazard: 1
16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION (cont)

NFPA ratings:
- Health: 1
- Flammability: 0
- Instability: 0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe *=Chronic

Other Information: Products on this SDS do not contain asbestos.

Disclaimer:
The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Maxxon Corporation and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Maxxon Corporation and its subsidiaries will not be liable for claims relating to any party’s use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.