1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:
Maxxon® Floor Primer - Powder Concentrate

Recommended uses:
Bonding Agent

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

Classification of the substance or mixture

Classification (GHS):

<table>
<thead>
<tr>
<th>Class</th>
<th>Category</th>
<th>Route of Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combustible Dust</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Label Elements:

Signal Word: Warning

H-Code Hazard Statements

None

May form combustible dust concentrations in the air

Reportable ingredients for labeling:
- Vinyl acetate/vinyl alcohol copolymer
- Vinyl acetate/ethane copolymer
- Kaolin
- Calcium carbonate

Other hazards: Risk of dust explosion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characteristics
Copolymer of: Vinyl Acetate + Ethylene with mineral additives and protective colloid.

Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Components</th>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td>1332-58-7</td>
<td>Kaolin</td>
<td>3.0</td>
<td>7.0</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Calcium Carbonate</td>
<td>7.0</td>
<td>13.0</td>
</tr>
</tbody>
</table>

This material does not contain any OSHA or WHMIS reportable hazardous ingredients. Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens/Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for the California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.
4. FIRST AID MEASURES

- **General information:** In case of sickness, seek medical advice (show label or SDS if possible).
- **Inhalation:** Remove to fresh air. Keep the victim lying down and restful.
- **Skin Contact:** Wash skin with soap and water. Get medical attention if symptoms occur.
- **Eye Contact:** Immediately flush eyes with large quantities of clean water. Get medical attention if irritation occurs.
- **Ingestion:** Give the victim several glasses of water. If swallowed, induce vomiting. Get medical attention if symptoms occur. Show label or SDS if possible.

5. FIRE FIGHTING MEASURES

- **Flammable properties:**
  - **Property** | **Value**
  - Flash Point | Not Applicable
  - Boiling Point/boiling range | Not Applicable
  - Lower Explosion Limit (LEL) | 125 g/m³

- **Fire and explosion hazards:** Dust may form explosive mixture with air. Electrostatic charging is possible.
- **Suitable extinguishing media:** Use water spray, water mist, carbon dioxide, foam or dry chemical to extinguish fire.
- **Unsuitable extinguishing media:** Sharp water jet.
- **Fire-fighting equipment/instructions:** Wear self-contained breathing apparatus (SCBA) and full firefighting protective clothing.
- **Specific exposure hazards arising from the substance or preparation itself, combustion products, resulting gasses:** At low oxygen level: Acetic Acid

6. ACCIDENTAL RELEASE MEASURES

- **Precautions:** Avoid dust formation. Do not breathe dust.
- **HAZWOPER PPE Level:** D
- **Containment:** Cover any spilled material in accordance with regulations to prevent dispersal by wind.
- **Methods for cleaning up:** Mechanically take up and dispose of according to local/state/federal regulations.
- **Further information:** Eliminate all sources of ignition. Observe notes under Section 7.

7. HANDLING AND STORAGE

- **Handling Information**
- **Precautions for Safe Handling:** Avoid dust formation. Increased risk of slipping if substance comes into contact with water.
7. HANDLING AND STORAGE (CONTINUED)

Precautions against fire and explosion: Avoid formation of dust; dust may form explosive mixture with air. Avoid dust deposit, remove dust regularly. Take precautionary measures against electrostatic charging. Keep away from open flames, heat and sparks.

Storage Information

Conditions for storage rooms and vessels: Observe precautionary measures against dust explosion.

Advice for storage of incompatible materials: Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Ventilation: Use with adequate ventilation.

Local exhaust: Yes (to maintain concentration below TLV).

Maximum airborne concentrations at the work place

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Material</th>
<th>Type</th>
<th>mg/m³</th>
<th>Dust Fraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1332-58-7</td>
<td>Kaolin*</td>
<td>OSHA PEL</td>
<td>15.0</td>
<td>Inhalable dust/mist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>5.0</td>
<td>Respirable dust/mist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TWA</td>
<td>2.0</td>
<td>Respirable dust/mist</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Calcium Carbonate</td>
<td>OSHA PEL</td>
<td>15.0</td>
<td>Inhalable dust/mist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>5.0</td>
<td>Respirable dust/mist</td>
</tr>
<tr>
<td></td>
<td>Particulates not otherwise classified**</td>
<td>OSHA PEL</td>
<td>15.0</td>
<td>Inhalable dust/mist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>5.0</td>
<td>Respirable dust/mist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TWA</td>
<td>10.0</td>
<td>Inhalable dust/mist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TWA</td>
<td>3.0</td>
<td>Respirable dust/mist</td>
</tr>
</tbody>
</table>

* The value is for particulate matter containing no asbestos and < 1% Crystalline Silica (ACGIH).
** The value is for particulate matter containing no asbestos and < 1% Crystalline Silica (ACGIH).

Personal Protection Equipment

Eye protection: Tight fitting chemical safety goggles.

Respiratory protection: In case of dust formation, use a NIOSH approved respirator for fine dust.

Hands: Rubber gloves.

Protective clothing: Recommended in case of dust formation: antistatic clothing and shoes.

Other Information: Avoid breathing dust/vapor/mist/gas/aerosol. Do not eat, drink or smoke when handling. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| Physical state: | Powder |
| Form:           | Solid  |
| Color:          | White to light beige |
Safety Data Sheet according to OSHA-GHS
(29 CFR part 1910.1200 HCS 2012)

PRODUCT NAME: Maxxon® Floor Primer - Powder Concentrate
Product Code: 13060, 13063
Date of Issue: May 2018
Supersedes: May 2015

9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Odor: Odorless
pH value: 7-8 at 68° F (20° C) (500 g/L H₂O)
Melting point: Not Applicable
Boiling temperature / boiling range: Not Applicable
Flash point: Not Applicable
Explosive limit - lower %: 125 g/m³
Vapor pressure: Not Applicable
Bulk density: 400-550 kg/m³
Water solubility/Miscibility: Moderately soluble at 68° F (20° C)
Viscosity (Dynamic): Not Applicable

Other information: Product forms dispersions with water. The tests on the raised dust were determined in accordance with German VDI 2263, Sheet 1, on the screened product.
Thermal Decomposition: > 482° F (> 250° C)
Median Particle Size: 87 μm (original)
Median Particle Size: 31.6 μm (screened according to German VDI)

Disturbed Dust
Dust explosion class: 1
Kst value: 6.5 - 8 m*bar/sec
Maximum explosion pressure: 101 - 129 bar
Ignition temperature: 842° F (450° C) (VDI 2263)
Minimum Ignition Energy: 300 - 1,000 mJ without inductance (DIN EN 13821 (sieved < 63 μm))

Deposited Dust
Glow Temperature: > 752° F (> 400° C) (DIN VDE 0165; sieved < 200 μm)

10. STABILITY AND REACTIVITY

Stability: If stored and handled in accordance with standard industrial practices, no hazardous reactions are known. No incompatibilities have been identified.

Hazardous Decomposition Products: If stored and handled properly, none are known. At increased temperature: Acetic Acid.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects: Toxicological testing has been conducted with similar product(s).
Acute Oral Toxicity: Based on the available data, acute toxic effects are not expected after single oral exposure.

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Result/Effect</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50: &gt; 2,000 mg/kg</td>
<td>Rat</td>
<td>Conclusion by analogy OECD 423</td>
</tr>
</tbody>
</table>
11. TOXICOLOGICAL INFORMATION (CONTINUED)

**Acute Skin Toxicity:** Based on the available data, a clinically relevant skin irritation hazard is not expected. No information is available.

<table>
<thead>
<tr>
<th>Result/Effect</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not irritating</td>
<td>Rabbit</td>
<td>Conclusion by analogy OECD 404</td>
</tr>
</tbody>
</table>

**Serious Eye Damage/Eye Irritation:** Based on the available data, a clinically relevant eye irritation hazard is not expected.

<table>
<thead>
<tr>
<th>Result/Effect</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not irritating</td>
<td>Rabbit</td>
<td>Conclusion by analogy OECD 405</td>
</tr>
</tbody>
</table>

**Respiratory or Skin Sensitization:** Based on the available data, a sensitization reaction is not expected.

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Result/Effect</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>Not sensitizing</td>
<td>Mouse; LLNA (Local lymph Node assay)</td>
<td>Conclusion by analogy OECD 429</td>
</tr>
</tbody>
</table>

**Germ Cell Mutation:** Based on known data, a significant mutagenic potential may be excluded.

<table>
<thead>
<tr>
<th>Result/Effect</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>Mutation assay (in vitro) Bacterial Cells</td>
<td>Conclusion by analogy OECD 471</td>
</tr>
</tbody>
</table>

**Carcinogenicity:** For this endpoint, no toxicological test data is available for the whole product.

**Reproductive toxicity:** For this endpoint, no toxicological test data is available for the whole product.

**Specific target organ toxicity (repeated exposure):** For this endpoint, no toxicological test data is available for the whole product.

**Aspiration hazard:** Based on the physical-chemical properties of the product, no aspiration hazard must be expected.

**Further toxicological information:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other information:** No information on damage to health during manufacture and use.

12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No expected damaging effects to aquatic organisms. According to current knowledge, adverse effects on water purification plants are not expected.

<table>
<thead>
<tr>
<th>Result/Effect</th>
<th>Species/Test System</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50: &gt; 100 mg/L</td>
<td>Carp</td>
<td>Conclusion by analogy OECD 203</td>
</tr>
<tr>
<td>EC10: &gt; 1,000 mg/L</td>
<td>Sludge (0.5 h)</td>
<td>Conclusion by analogy</td>
</tr>
</tbody>
</table>
Safety Data Sheet according to OSHA-GHS  
(29 CFR part 1910.1200 HCS 2012)

PRODUCT NAME: Maxxon® Floor Primer - Powder Concentrate
Product Code: 13060, 13063
Date of Issue: May 2018  Supersedes: May 2015

12. ECOLOGICAL INFORMATION (CONTINUED)

Persistence and degradability: Polymer component: Not readily biodegradable. Elimination by adsorption to activated sludge. Separation by flocculation is possible.
Bioaccumulative potential: No adverse effects expected.
Mobility in soil: No adverse effects expected.
Other adverse effects: None known
Additional information: According to present knowledge no adverse influence to environment expected.

13. DISPOSAL CONSIDERATIONS

Waste disposal method: Observe local/state/federal regulations.
Packaging disposal: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or reused. Observe local/state/federal regulations.
Recommended cleaning agent: Water.

14. TRANSPORTATION INFORMATION

US DOT & Canada TDG Surface
Valuation Not regulated for transport.
Transport by sea IMDG-Code
Valuation Not regulated for transport.
Air transport ICAO-TI/IATA-DGR
Valuation Not regulated for transport.

15. REGULATORY INFORMATION

US Federal Regulations
TSCA inventory status and TSCA Information: This material or its components are listed on and/or are in compliance with the requirements of the TSCA Chemical Substance Inventory.
TSCA Section 12(b) Export Notification: This material does not contain any TSCA 12(b) regulated chemicals.
CERCLA Regulated Chemicals: This material does not contain any CERCLA regulated chemicals.
SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.
SARA 311/312 Hazard Class: This product does not present any SARA 311/312 hazards.
SARA 313 Chemicals: This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical</th>
<th>Upper limit wt %</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-05-4</td>
<td>Vinyl Acetate</td>
<td>&lt; 0.02</td>
</tr>
<tr>
<td>75-07-0</td>
<td>Acetaldehyde</td>
<td>&lt; 0.002</td>
</tr>
<tr>
<td>141-78-6</td>
<td>Ethyl Acetate</td>
<td>&lt; 0.004</td>
</tr>
<tr>
<td>67-56-1</td>
<td>Methanol</td>
<td>&lt; 0.0016</td>
</tr>
<tr>
<td>50-00-0</td>
<td>Formaldehyde</td>
<td>&lt; 0.008</td>
</tr>
</tbody>
</table>
## U.S. State Regulations

**California Proposition 65 Carcinogens**
- 75-07-0 Acetaldehyde
- 14808-60-7 Quartz
- 50-00-0 Formaldehyde

**California Proposition 65 Reproductive Toxins**
- 67-56-1 Methanol

**Massachusetts Substance List**
- 1332-58-7 Kaolin
- 1317-65-3 Calcium Carbonate

**New Jersey Right-To-Know Hazardous Substance List**
- 1317-65-3 Calcium Carbonate

**Pennsylvania Right-To-Know Hazardous Substance List**
- 1332-58-7 Kaolin
- 1317-65-3 Calcium Carbonate

## Canadian Regulations
This product has been classified in accordance with the Hazard Criteria of the CPR and the SDS contains all the information required by the CPR.

### WHMIS Hazard Classes
None

### DSL Status
This material or its components are listed on the Canadian Domestic Substances List. This material is in compliance under the 2% Polymer Rule.

### Canadian Ingredient Disclosure List
This material contains no listed components.

## Details of international registration status
Relevant information about individual substance inventories, where available, is given below.

**South Korea (Republic of Korea): ECL (Existing Chemicals List)**
This product is listed in, or complies with, the substance inventory.

**Japan:**
- **ENCS** (Handbook of Existing and New Chemical Substances)
  This product is listed in, or complies with, the substance inventory.

**Australia:**
- **AICS** (Australian Inventory of Chemical Substances)
  This product is listed in, or complies with, the substance inventory.

**People’s Republic of China:**
- **IECSC** (Inventory of Existing Chemical Substances in China)
  This product is listed in, or complies with, the substance inventory.

**Canada:**
- **DSL** (Domestic Substance List)
  This product is listed in, or complies with, the substance inventory.

**Philippines:**
- **PICCS** (Philippine Inventory of Chemicals and Chemical Substances)
  This product is listed in, or complies with, the substance inventory.

**United States of America (USA): TSCA (Toxic Substance Control Act Chemical Substance Inventory)**
This product is listed in, or complies with, the substance inventory.
Safety Data Sheet according to OSHA-GHS
(29 CFR part 1910.1200 HCS 2012)

PRODUCT NAME: Maxxon® Floor Primer - Powder Concentrate
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15. REGULATORY INFORMATION (CONTINUED)

Details of international registration status (cont):
European Economic Area (EEA): REACH (Regulation (EC) No 1907/2006)
This product is listed in, or complies with, the substance inventory.

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

Product List: Maxxon Floor Primer - Powder Concentrate
Issue Date: May 2015
Version #: 02
Revision Date: May 2018
Prepared By: Maxxon Corporation

HMIS® ratings:
Health: 1 - Slight Hazard
Flammability: 1 - Slight Hazard
Reactivity: 0 - Minimal Hazard

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

Glossary of Terms
ACGIH American Conference of Governmental Industrial Hygienists
DOT Department of Transportation
hPa Hectopascals
mPa*s Milli Pascal-Seconds
OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limit
ppm Parts per million
SARA Superfund Amendments and Reauthorization Act
STEL Short Term Exposure Limit
TSCA Toxic Substances Control Act
TWA Time Weighted Average
WHMIS Canadian Workplace Hazardous Materials Identification System

Flash Point Determination Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Common Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D56</td>
<td>Tagliabue (Tag) closed cup</td>
</tr>
<tr>
<td>ASTM D92, DIN 51376, ISO 2592</td>
<td>Cleveland open cup</td>
</tr>
<tr>
<td>ASTM D93, DIN 51758, ISO 2719</td>
<td>Pensky-Martens closed cup</td>
</tr>
<tr>
<td>ASTM D3278, DIN 55680, ISO 3679</td>
<td>Setaflash or Rapid closed cup</td>
</tr>
<tr>
<td>DIN 51755</td>
<td>ABEL-Pensky closed cup</td>
</tr>
</tbody>
</table>

Conversion Table
Pressure: 1 hPa * 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa
Viscosity: 1 mPa*s = 1 centipoise (cP)
Disclaimer
This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.