

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Maxxon® Commercial Level EZ™ + Fibers
Recommended uses: Cement-based self-leveling underlayment
Restrictions on uses: None known
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

Combustible dust	Yes
Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity:	Category 1A

Hazards not otherwise classified (HNOC)

Not applicable.

GHS Label Element

Hazard pictogram:



Hazard statements

May form combustible dust concentrations in air.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
May cause cancer.

Precautionary Statements

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash face, hands and any exposed skin thoroughly after handling.
Avoid breathing dust, fume, gas, mist, vapors and spray.
Contaminated work clothing must not be allowed out of the workplace.
Do not eat, drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection and face protection.

2. HAZARDS IDENTIFICATION (continued)

Precautionary Statements	Specific treatment (see supplemental first aid instructions on this label).
Response	IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
Precautionary Statements	Store locked up.
Storage	
Precautionary Statements	Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.
Disposal	
Unknown acute toxicity	80.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
Hazards classified under paragraph (d)(1)(ii) of 1910.1200	No information available.
Other information	No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Not applicable.

CHEMICAL NAME	CAS No.	WEIGHT-%	TRADE SECRET / UNIQUE IDENTIFIER
Calcium sulfate hemihydrate	10034-76-1	60–80	*
Calcium carbonate	471-34-1	10–30	*
Portland cement	65997-15-1	5–10	*
Quartz	14808-60-7	0.1–1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice:	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.
Inhalation:	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact:	Get immediate medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact:	Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion:	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider:	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms:	Burning sensation. May cause blindness. May cause redness and tearing of the eyes. Itching. Rashes. Hives. Erythema (skin redness).
Effects of Exposure:	May cause cancer.

Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	Water.
Specific hazards arising from the chemical:	Explosion risk: Avoid generation of dust. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Product is or contains a sensitizer. May cause sensitization by skin contact.
Explosion data:	
- Sensitivity to mechanical impact	None.
- Sensitivity to static discharge	Yes.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment as required. Ensure adequate ventilation. Avoid contact with eyes. Do not breathe dust. Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information: Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so. Prevent dust cloud. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Methods for cleaning up: Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse.

General hygiene considerations: Do not breathe dust. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Limits

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH
Calcium sulfate hemihydrate 10034-76-1	TWA: 10 mg/m ³ inhalable particulate matter	–	–
Calcium carbonate 471-34-1	–	–	TWA: 10 mg/m ³ ; total dust TWA: 5 mg/m ³ ; respirable dust
Portland cement 65997-15-1	TWA: 1 mg/m ³ respirable particulate matter particulate matter containing no Asbestos and <1% Crystalline silica	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction TWA: 50 mppcf <1% Crystalline silica	TWA: 10 mg/m ³ ; total dust TWA: 5 mg/m ³ ; respirable dust IDLH: 5000 mg/m ³
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable particulate matter	TWA: 50 µg/m ³ : (250)/ (%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/ (%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³

Note: See section 16 for terms and abbreviations.

Other information on limit values: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Individual protection measures, such as personal protective equipment

Eye/face protection

Face protection shield. Tight sealing safety goggles.

Hand protection

Wear suitable gloves.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Skin and body protection	Wear suitable protective clothing. Long sleeved clothing.
Respiratory protection	Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. Use appropriate respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance	Powder
Physical state	Solid
Color	Grey
Odor (includes odor threshold)	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point		No data available
Boiling point (or initial boiling point or boiling range)		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		No data available
pH		No data available
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Solubility		No data available
Water solubility		No data available
Partition coefficient n-octanol/water (log value)		No data available
Vapor pressure (includes evaporation rate)		No data available
Evaporation rate		No data available
Density and/or relative density		No data available
Bulk density		No data available
Liquid Density		No data available
Relative vapor density		No data available
Particle characteristics		No data available
Particle Size		No data available
Particle Size Distribution		No data available

9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<u>Other information</u>		
Molecular weight		No information available
VOC content		No information available
Softening point		No information available
Explosives		
Explosive properties		No information available
Oxidizing properties		No information available

10. STABILITY AND REACTIVITY

Reactivity:	Combustible dust.
Chemical stability:	MAY FORM COMBUSTIBLE DUST- AIR MIXTURE.
Possibility of hazardous reactions:	Dust can form an explosive mixture with air.
Conditions to avoid:	Excessive heat. Heating in air. Generation/formation of dust.
Incompatible materials:	Strong acids, Strong bases, Strong oxidizing agents.
Hazardous decomposition products:	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation:	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact:	Specific test data for the substance or mixture is not available. May result in permanent damage including blindness. Causes serious eye damage.
Skin contact:	Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Ingestion:	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms:	Burning sensation. May cause blindness. May cause redness and tearing of the eyes. Itching. Rashes. Hives. Erythema (skin redness).
Acute toxicity:	Harmful if swallowed.

11. TOXICOLOGICAL INFORMATION (continued)

Numerical measures of toxicity

Unknown acute toxicity 80.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

Product Information
Oral LD50 1,993 mg/kg

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Calcium carbonate 471-34-1	= 6450 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 3 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation: Causes skin irritation. 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 anybody part or allow continuous, prolonged contact with skin.

Serious eye damage/eye irritation: Classification based on data available for ingredients. Causes burns. Causes serious eye damage.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No information available.

Carcinogenicity: Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NTP	OSHA
Portland cement 65997-15-1	A4 - Not classifiable as a human carcinogen	-	-	-
Quartz 14808-60-7	A2 - Suspected human carcinogen	Group 1 - Carcinogenic to humans	Known human carcinogen	Present

Reproductive toxicity: No information available.

STOT - single exposure: No information available.

STOT - repeated exposure: No information available.

Aspiration hazard: No information available.

Other adverse effects: No information available.

Interactive effects: No information available.

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	Based on available data, the classification criteria are not met.
<u>Persistence and degradability:</u>	No information available.
<u>Bioaccumulative potential:</u>	No information available.
<u>Mobility in soil:</u>	No information available.
<u>Other adverse effects:</u>	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
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15. REGULATORY INFORMATION

International Inventories

TSCA Contact supplier for inventory compliance status

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CAA (Clean Air Act)

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

15. REGULATORY INFORMATION (continued)**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

Contact supplier for California Proposition 65 labelling requirements.

This product contains the following Proposition 65 chemicals:

CHEMICAL NAME	CALIFORNIA PROPOSITION 65
Quartz - 14808-60-7	Carcinogen
Formaldehyde - 50-00-0	Carcinogen
Methyl alcohol - 67-56-1	Developmental
Lead - 7439-92-1	Carcinogen Developmental Female Reproductive Male Reproductive
Acetaldehyde - 75-07-0	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive
Propylene oxide - 75-56-9	Carcinogen
1,4-Dioxane - 123-91-1	Carcinogen

U.S. State Right-to-Know Regulations

Contact supplier for Right-to-Know labelling requirements.

15. REGULATORY INFORMATION (continued)

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Portland cement 65997-15-1	X	X	X
Quartz 14808-60-7	X	X	X
Formaldehyde 50-00-0	X	X	X
1,4-Dioxane 123-91-1	X	X	X
Methyl alcohol 67-56-1	X	X	X
Lead 7439-92-1	X	X	X
Acetaldehyde 75-07-0	X	X	X
Ethylene oxide 75-21-8	X	X	X
Propylene oxide 75-56-9	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

15. OTHER INFORMATION

NFPA Health hazards 3 Flammability 1 Instability 0 Special hazards –
HMIS Health hazards 3* Flammability 0 Physical hazards 0 Personal protection –
*Chronic Hazard Star Legend * = Chronic Health Hazard*

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

15. OTHER INFORMATION (continued)

Key or legend to abbreviations and acronyms used in the safety data sheet

List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	"International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk"
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organization for Standardization
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)

15. OTHER INFORMATION (continued)

MARPOL	International Convention for the Prevention of Pollution from Ships
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NTP	National Toxicology Program (United States)
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
OSHA	Occupational Safety and Health Administration of the US Department of Labor
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations

15. OTHER INFORMATION (continued)

VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 U.S. Environmental Protection Agency
 U.S. EPA Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 U.S. Hazardous Substance Data Bank (HSDB)
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 U.S. National Institute for Occupational Safety and Health (NIOSH)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

15. OTHER INFORMATION (continued)

United Nations World Health Organization (WHO)

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Revision Note Initial Release.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.