

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:	Maxxon [®] Commercial Low Density Fill [™]
Recommended uses:	Cementitious Low Density Fill
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

OSHA Hazards: Harmful if swallowed, causes severe skin burns and eye damage, suspected of causing cancer by inhalation of respirable crystalline silica, may cause respiratory irritation, may cause damage to lungs through prolonged or repeated exposure by inhalation, and may cause an allergic skin reaction.

Target organs: Lungs

Classification of the substance or mixture:

Acute toxicity, oral	Category 4
Carcinogenicity	Category 2
Eye damage/eye irritation	Category 1
Skin Irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity, repeated exposure	Category 2, Respiratory system
Specific target organ toxicity, single exposure	Category 3, Respiratory system

Label elements, including precautionary statements

Hazard pictogram:



Signal word: Danger

Hazard statement:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure if inhaled

2. HAZARDS IDENTIFICATION *Continued***Precautionary statement****Prevention:**

P201	Obtain special instruction before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands and skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310:	Immediately call a POISON CENTER/doctor.
P303+P313+P310:	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with plenty of water or shower. Immediately call a POISON CENTER/doctor.
P363:	Wash contaminated clothing before reuse.
P333+P313:	If skin irritation or rash occurs: Get medical advice or attention.
P304+P340+P312:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P308+P313:	If exposed or concerned: Get medical advice/attention.
P314:	Repeated Exposure: Get medical advice/attention if you feel unwell.

Storage:

P403+P233:	Store in a well-ventilated place. Keep container tightly closed.
P405:	Store locked up.

Disposal:

P501:	Dispose of contents/container in accordance with local/regional /national regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS**Component:**

INGREDIENT NAME	%	CAS NUMBER
Cement	90-95%	65997-15-1
Polystyrene Beads	1-5%	9003-53-6

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

N/A

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Material is Non-combustible. Use Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for surrounding fire.

Specific hazards arising from the chemical:

Product is a solid foamed bead and will burn on prolonged exposure to flame or high temperature. Product may outgas trace amounts of residual pentane as a blowing agent (<1% by volume) that can collect in confined areas and is flammable in the presence of open flames, lit cigarettes, sparks, static electricity discharges or heat. When heated to decomposition, product emits acrid smoke and irritating fumes. Also, can be a slip hazard.

Hazardous combustion products: Calcium Oxide, Sulfur Dioxide

Protective equipment and precautions for firefighting: Wear self-contained breathing apparatus and full protective gear for firefighting.

Further information: See Section 7 for safe handling and storage.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid actions that cause the material to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate personal protective equipment during any cleanup and response activities.

Environmental precautions: Do not wash cement down sewage and drainage systems or into bodies of water.

Methods and material for containment and cleaning up: Place spilled material into a container. Scrape wet material and place in container. Allow material to dry or solidify before disposal. Dispose of cement according to Federal, State, Provincial and Local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for safe storage, including any incompatibilities:

General information: Keep bagged material dry until used. Stack bagged material in a secure manner to prevent falling. Bagged material is heavy and poses risks such as sprains and strains to the back, arms, shoulders and legs during lifting and mixing. Handle with care and use appropriate control measures.

Incompatibilities: Water will cause product to solidify.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines

Component Exposure Limits: Cement CAS#: 65997-15-1 OSHA 15 mg/m³ T (Total) / 5 mg/m³ R (Respirable)
Silica, Quartz CAS#: 14808-60-7 OSHA TWA 10 mg/m³, ACGIH TWA 0.025 mg/m³
Polystyrene CAS#: 9003-53-6 OSHA TWA 10 mg/m³, ACGIH TWA 3 mg/m³, OSHA TWA (total dust) 15mg/m³, OSHA TWA (respirable fraction) (related to particulates not otherwise.

Individual protection measures, such as personal protective equipment

Eye/face protection: Use proper protection – Safety glasses as a minimum.

Skin and body protection: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Power
Color	Gray
Order	Mild
Odor threshold	No data
pH (in water)	12-13
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Melting/freezing point	Not relevant
Solubility	Not available
Evaporation rate	Not available
Flash point	Not relevant
Flammability Limits	Not available
Flammability (solid, gas)	Not relevant

9. PHYSICAL AND CHEMICAL PROPERTIES *Continued*

Auto ignition temperature	Not available
Initial Boiling Point/Boiling Range	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Specific Gravity	Not available

10. STABILITY AND REACTIVITY

Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Keep dry until use. Avoid contact with incompatible materials.
Incompatible materials:	Wet cement is alkaline and is incompatible with acids, ammonium salts and aluminum metal. Cement dissolves in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Cement reacts with water to form silicates and calcium hydroxide. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.
Hazardous decomposition products:	None known

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Inhalation, Skin Contact, Eye Contact, Ingestion
Symptoms of exposure	
Inhalation:	May cause respiratory irritation.
Skin:	Causes severe skin burns. May cause allergic skin reaction.
Eyes:	Causes serious eye damage.
Ingestion:	Irritation of the digestive system may occur if large amounts are swallowed.
Numerical measures of toxicity:	Acute Toxicity Value: Silica-LD50 oral rat 22,500 mg/kg.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Irritant Dermatitis:	is caused by physical properties of cement including alkalinity and abrasion.
Dermatitis:	is caused by sensitization to hexavalent chromium (Chromate) present in cement. The reaction can range from a mild rash to severe skin ulcers. Persons already sensitized may react to the first contact with cement. Others may develop allergic dermatitis after years of repeated contact with cement.
Carcinogenicity	
IARC: 1-Group 1:	Carcinogenic to humans (Quartz).
ACGIH:	No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	Carcinogenic to humans (Quartz).

11. TOXICOLOGICAL INFORMATION *Continued*

OSHA:	No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Specific target organ toxicity:	Single exposure – No data available.
Specific target organ toxicity:	Repeated exposure – Category 2, Respiratory System.
Silicosis:	Silicosis is caused by the inhalation and retention of respirable crystalline silica dust.
Simple Chronic Silicosis:	results from long-term exposure (more than 20 years) to low amounts of respirable crystalline silica. Nodules of chronic inflammation and scarring provoked by the respirable crystalline silica form in the lungs and chest lymph nodes. This disease may feature breathlessness and may resemble chronic obstructive pulmonary disease (COPD).
Accelerated silicosis:	occurs after exposure to larger amounts of respirable crystalline silica over a shorter period of time (5-15 years). Inflammation, scarring, and symptoms progress faster in accelerated silicosis than in simple silicosis.
Acute silicosis:	results from short-term exposure to very large amounts of respirable crystalline silica. The lungs become very inflamed and may fill with fluid, causing severe shortness of breath and low blood oxygen levels.
Pre-Existing Conditions:	Cement dust is irritating to the nose, throat and respiratory tract causing coughing and sneezing. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated.

12. ECOLOGICAL INFORMATION

Eco toxicity:	Not expected to be hazardous to the environment.
Persistence and Degradability:	No Data Available
Bioaccumulation:	No Data Available
Mobility:	No Data Available
Other Adverse Effects:	No Data Available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes:	This product is not expected to be a hazardous waste under RCRA. Place spilled material into a container. Scrape wet material and place in container. Allow material to dry or solidify before disposal. Dispose of according to Federal, State, Provincial and Local regulations.
Contaminated Packaging:	Dispose of as unused material.

14. TRANSPORTATION INFORMATION

D.O.T.: Not a Dangerous Good
I.A.T.A.: Not a Dangerous Good
I.M.D.G.: Not a Dangerous Good
Marine Pollutant: No

15. REGULATORY INFORMATION

International Inventories

TSCA: Polystyrene, CAS# 9003-53-6

US Federal Regulations

SARA 302: None Known
SARA 311/312 Hazard Categories: Acute Health Hazard, Chronic Health Hazard
SARA 313 Hazard Categories: None Known
CWA (Clean Water Act): None Known

Supplemental State Compliance Information

California Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.
Quartz CAS#: 14808-60-7
Hexavalent Chromium Compounds

State Regulations:

NEW JERSEY RIGHT TO KNOW	
CAS Number	Component Name
14808-60-7	Quartz

PENNSYLVANIA RIGHT TO KNOW	
CAS Number	Component Name
14808-60-7	Quartz

MASSACHUSETTS RIGHT TO KNOW	
CAS Number	Component Name
14808-60-7	Quartz

U.S. EPA Label Information: No Data

16. OTHER INFORMATION

HMIS Classification:

Health hazard:	2
Flammability:	0
Physical Hazards:	0

NFPA Rating:

Health hazard:	2
Fire:	0
Reactivity Hazard:	0

Product List: Maxxon Commercial Low Density Fill

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Disclaimer: 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.