

SECTION 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Product or Trade Name: Magma Fiber®
Type of Product: Proprietary acid soluble extrusion-spun mineral fiber, vitreous fiber form blast furnace slag and/or basalt (mixture).

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use(s)*: Viscosifier, Plugging Agent, Filtration Aid
Sector of Use: SU19 - Building and construction work
Product Category: PC20 - Products such as pH-regulators, flocculants, precipitants, neutralizing agents, other unspecified
Process Categories: PROC 26 - Handling of solid inorganic substances at ambient temperature

* The "Recommended Use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Use Applications: Professional Use Only
Recommended Restrictions: No restrictions on use known.

1.3 Details of the Supplier of the Substance/Mixture and Safety Data Sheet:

Manufacturer/Supplier: KB International LLC
735 Broad Street
Suite 209
Chattanooga, TN 37402
USA
Telephone Number: +1 (423) 266-6964
E-mail: info@kbtech.com

1.4 Emergency Contact and Telephone Number:

Emergency Contact: ChemTel, Inc.
Emergency Telephone No.: +1 (800) 255-3924

1.5 OTHER MEANS OF IDENTIFICATION:

Primary Components: Vitreous fiber made from blast furnace slag and/or basalt (mixture).

SECTION 2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification according to Regulation (EC) No 1272/2008:

The substance is not classified as hazardous according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Hazard Warnings:

- The product does not require a hazard warning label in accordance with EC Directives.
(This substance has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.)

Information Concerning Particular Hazards for Human and Environment:

- Heightened danger of slipping when the product is spilled on the floor.
- The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

- The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

According to Regulation 2012 OSHA Hazardous Communication Standard; 29 CFR Part 1910.1200:

Classification of the Product:

- No need for classification according to GHS criteria for this product.

2.2 LABEL ELEMENTS:

According to Regulation (EC) No. 1272/2008:

- The product is classified and labelled according to the CLP regulation.

According to Globally Harmonized System, (GHS):

- This product does not require a hazard warning label in accordance with GHS criteria for this product.

Labeling of Special Preparation(s):

- This product is not combustible in the form in which it is shipped by the manufacturer, but may form a combustible dust through downstream activities (e.g., grinding, pulverizing) that reduce its particle size.
- High risk of slipping due to leakage/spillage of this product

According to Regulation 2012 OSHA Hazardous Communication Standard; 29 CFR Part 1910.1200:

Precautionary Statement(s):

General:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.

Prevention:

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P250 Do not subject to grinding or friction.
- P280 Wear protective gloves, clothing, and eye protection.
- P285 In case of inadequate ventilation wear respiratory protection.

Response:

- P308 + P313 IF exposed or concerned: Get medical advice/attention
- P314 Get medical attention/advice if you feel unwell

Storage:

- P405 Store locked up

Disposal:

- P501 Dispose of contents or container in accordance with local, regional, national, and/or international regulations.

2.3 HAZARD DESCRIPTIONS:

NFPA Ratings (Scale 0 – 4):



Health = 0
 Fire = 0
 Reactivity = 0

HMIS Ratings (Scale 0 – 4):



Health = 0
 Flammability = 0
 Physical Hazard = 0
 Personal Protection = E

WHMIS 2015 - Symbols: Not hazardous under WHMIS.

Other Hazards: Not hazardous substance or mixture.

2.4 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS:**Results of PBT and vPvB Assessment:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Emergency Overview:**Caution:**

- This type of product has a tendency to create dust if roughly handled. It does not burn readily but as with many organic powders, flammable dust clouds may be formed in air.
- May cause some eye irritation which should cease after removal of the product.
- May cause some irritation to the respiratory system if dust is inhaled.
- Use NIOSH approved respirator as needed to mitigate exposure.
- Wear NIOSH-certified chemical goggles.
- Avoid dust formation.
- Avoid creating dusty conditions, dust build-up or formation of dust clouds.
- Organic powders may be capable of generating static discharges and creating explosive mixtures in air. Handle with caution.
- Wear protective clothing.
- Avoid all sources of ignition: heat, sparks, open flame.

Information Concerning Particular Hazards for Human and Environment:

- No Applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 COMPONENTS OF SUBSTANCE OR MIXTURE:****SUBSTANCES:**

- Not Applicable

Substances	EINECS	CAS Number	Percent (w/w)	EEC Classification	EU – CLP Substance Classification	REACH No.
Mixture of Mineral Fiber	Not applicable	Not applicable	90% – 100%	Not applicable	Not applicable	No data available

Non-hazardous and other components below reportable levels > 0.1

1 – According to Regulation 2015 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

WHMIS CLASSIFICATION:

- Not WHMIS controlled.

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.

SECTION 4. FIRST-AID MEASURES**4.1 DESCRIPTION OF FIRST AID MEASURES:****After Clothing Contact:**

- Wash all soiled clothing before reuse.

After Inhalation:

- Remove person to fresh air and keep comfortable for breathing.
- No hazards which require special first aid measures.

After Skin Contact:

- Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
- If skin irritation or a rash occurs get medical advice or attention.
- Wash all soiled clothing before reuse.

After Eye Contact:

- Wear appropriate protective equipment.
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Remove contact lenses, if present and easy to do and continue rinsing.
- Alternatively, rinse immediately with Diphoterine®.
- Get prompt medical attention.

After Ingestion:

- Have victim rinse mouth and then drink plenty of water.
- Do not induce vomiting.
- Get medical attention immediately if symptoms occur.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**Symptoms:**

- None under normal use.

Hazards:

- No hazard is expected under intended use and appropriate handling.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

- None under normal use.

Note To Physician:**Treatment:**

- Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Other Information:

- None under normal use.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**Note to Physician:****Treatment:**

- Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES**5.1 EXTINGUISHING MEDIA:****Suitable Extinguishing Media:**

- All standard fire fighting media.

Unsuitable Extinguishing Media:

- None known.

Additional Information:

- If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE / CONDITIONS OF FLAMMABILITY:**Hazards During Fire-fighting:**

- Not applicable.

Flammability Classification (OSHA 29 CFR 1910.106):

- Not flammable.

Auto Ignition Temp:

- Non-combustible.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:**Protective Equipment for Firefighters:**

- Full protective clothing and approved self-contained breathing apparatus required for fighting personnel.

Special Fire-Fighting Procedures:

- The degree of risk is governed by the burning substance and the fire conditions.
- Contaminated extinguishing water must be disposed of in accordance with official regulations.

Further Information:

- Incompatible with acids, may give off H₂S under certain conditions.

5.4 IMPACT SENSITIVITY:**Assessment:**

- Not shock-sensitive.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:****PERSONAL PRECAUTIONS:**

- Do not walk through spilled material.

PROTECTIVE EQUIPMENT:

- Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

EMERGENCY PROCEDURES:

- Keep people away from spill/leak.

6.2 ENVIRONMENTAL PRECAUTIONS:

- Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.
- Do not discharge into drains, water courses or onto the ground.
- If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**For Small Spills:**

- Do not flush with water.
- Sweep up and shovel into suitable containers for disposal.
- Dispose contaminated material as waste according to item 13.

For Large Spills:

- Do not flush with water.
- Clean up promptly by scoop or vacuum.
- Send for recovery or disposal in suitable receptacles.
- Dispose contaminated material as waste according to item 13.

Residues:

- Soak up with inert absorbent material. (sand, diatomite, acid binders, universal binders, sawdust).
- After cleaning, flush away traces with water.

6.4 FURTHER ACCIDENTAL RELEASE MEASURES:

- Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
- Avoid the formation and build-up of dust — danger of dust explosion.
- Dust in sufficient concentration can result in an explosive mixture in air.
- Non-sparking tools should be used.
- Handle to minimize dusting and eliminate open flame and other sources of ignition. Forms slippery surfaces with water.

SECTION 7. HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING:**

- Avoid contact with skin and eyes.
- When using, do not eat, drink or smoke.
- Handle in accordance with good industrial hygiene and safety practice.
- Obey all label warnings, especially during container cleaning.
- Do not remove label until container is thoroughly cleaned.
- Do not use container for food, feed or drinking water.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Storage:

Requirements to Be Met by Storerooms and Receptacles:

- Store in cool, dry conditions in well sealed receptacles.
- Avoid storage near extreme heat, ignition sources or open flame.
- Freezing will affect the physical condition and may damage the material.

Information About Storage in One Common Storage Facility:

- Store away from foodstuffs.

Unsuitable Materials for Containers:

- None

Storage Stability:

- Avoid extreme heat.
- Avoid extreme cold and freezing temperatures.

Protect from Temperatures Above:

- 70 °C (158 °F)

Protect from Temperatures Below:

- 2 °C (35 °F)

7.3 SPECIFIC END USE(S):

- Apart from the uses mentioned in section 1.2, no further relevant information available.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:

Appropriate Engineering Controls:

Advice on System Design:

- No further data; see section 7.

8.1 CONTROL PARAMETERS:

Components with Occupational Exposure Limit Values that Require Monitoring at the Workplace: None

Components with Occupational Exposure Limits

Substances	PEL	TLV	CAS No.
Mineral Fiber	15 mg/M3 (total) 5 mg/M3 (respirable)	10 mg/M3 (total) 5 mg/M3 (respirable)	None Assigned

EXPOSURE CONTROLS:

Appropriate Engineering Controls:

- Use local exhaust if dusting occurs.
- Natural ventilation is adequate in absence of dusting.

Personal Protective Equipment:

General Protective and Hygienic Measures:

- The usual precautionary measures for handling chemicals should be followed.
- Keep away from foodstuffs, beverages and feed.
- Do not inhale dust.
- Avoid contact with the eyes.
- Avoid long term contact with the skin.
- Ensure that washing facilities are available at the work place.

Respiratory Protection:

- No personal respiratory protective equipment normally required.
- When applicable suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g., EN 143, Type P2).
- For spills, respiratory protection may be advisable.

Body Protection:

- Light protective work clothing.
- Wear coveralls and/or chemical apron.
- Wear rubber footwear where physical contact can occur.

Hand Protection:

- *Chemical resistant protective gloves (EN 374).*
- * Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

Eye / Face Protection:

- Safety glasses with side-shields (frame goggles) (e.g. EN 166).

Other Protective Equipment:

- An eyewash station and safety shower should be made available in the immediate working area.
- Other equipment may be required depending on workplace standards.

8.3 GENERAL SAFETY AND HYGIENE CONSIDERATIONS:

- Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.
- Wearing of closed work clothing is recommended.
- No eating, drinking, smoking or tobacco use at the place of work.
- Wash hands and face before breaks and immediately after handling the product.
- Wash hands before breaks and at the end of workday.

Limitation and Supervision of Exposure into the Environment:

- Do not allow uncontrolled discharge of product into the environment.

Risk Management Measures:

- See Section 7 for additional information.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:****Appearance:**

Physical State:	Solid.
Form:	Fibers.
Color:	White top grey.
Odor:	Oderless.
Odor Threshold (ppm):	N/Ap
Molecular Formula:	Trade Secret
Molecular Weight:	Trade Secret
Specific Gravity (water = 1):	2.6
Bulk Density:	Approx. 0.26 g/cm ³ (2600 kg/m ³) – 162 lb/ft ³ – 21.7 lb/gal
pH (Value):	N/Ap
Melting/Freezing Point:	N/Ap
Initial Boiling Point:	N/Ap
Flash Point (°C) [Closed cup]:	N/Ap
Evaporation Rate:	The product is a non-volatile solid.
Flammability (solid):	Not highly flammable.

Explosive Properties:**Lower Explosion Limit:**

For solids not relevant for classification and labelling.

Upper Explosion Limit:

For solids not relevant for classification and labelling.

Autoignition:

No data available.

Oxidizing Properties:

Not fire-propagating.

Vapor Pressure (mm Hg):

No data available.

Vapor Density (Air=1):

No data available.

Relative Density (g/ml):

No data available.

Solubility (Water):

Insoluble in water.

Solubility (Quantitative):

No data available.

Solubility (Qualitative):

No data available.

Partition Coefficient:***n*-octanol/water:**

Study scientifically not justified.

Auto-ignition Point (°C):

Not self-igniting

Decomposition Temperature (°C):

No decomposition if used as directed.

Viscosity (mPa.s):

N/Ap

Volatiles (% by weight):

Not determined.

Volatile Organic Compounds (VOC's):

N/Ap

Absolute Pressure of Container:

N/Ap

Flame Projection Length:

N/Ap

Other Physical/Chemical Comments:

If necessary, information on other physical and chemical parameters is indicated in this section.

SECTION 10. STABILITY AND REACTIVITY**10.1 REACTIVITY:**

- No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to Metals:

- No corrosive effect on metal.

Oxidizing Properties:

- Not fire-propagating.

Formation of Flammable Gases:**Start Temperature:**

- 220 °C (428 °F)

Specific Decomposition Gas Volume:

- > 5 L/kg (> 0.6 gal/lb)

10.2 CHEMICAL STABILITY:

- The product is stable if stored and handled as prescribed/indicated.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

- The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.
- Stable under normal conditions.
- No hazardous reactions known.

10.4 CONDITIONS TO AVOID:

- Avoid extreme temperatures.
- Avoid humidity.
- Avoid sources of ignition.

10.5 INCOMPATIBLE MATERIALS:**Substances to Avoid:**

- Acids, may give off H₂S under certain conditions when mixed with acid.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**Decomposition Products:****Hazardous Decomposition Products:**

- No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal Decomposition:

- No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION**PRIMARY ROUTES OF EXPOSURE:**

- Routes of entry for solids and dispersions are ingestion and inhalation, but may include eye or skin contact.
- Routes of entry for gases include inhalation and eye contact.
- Skin contact may be a route of entry for liquefied gases.

ACUTE TOXICITY EFFECTS:**Acute Toxicity:**

Inhalation: May cause respiratory irritation.

Eye Contact: May cause mechanical irritation to eye.

Skin Contact: May cause mechanical skin irritation.

Ingestion: None known.

Chronic Effects/Carcinogenicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

TOXICOLOGICAL DATA FOR THE COMPONENTS:

Substances	CAS No.	LD50 Oral	LD50 Dermal	LD50 Inhalation
Contains no hazardous substances	Mixture	Not data applicable	Not data applicable	No data applicable

CHRONIC TOXICITY EFFECTS:**Repeated Dosage Toxicity:****Assessment of Repeated Dose Toxicity:**

- Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
- The product has not been tested.
- The statement has been derived from the properties of the individual components.

Genetic Toxicity:**Assessment of Mutagenicity:**

- Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity:**Assessment of Carcinogenicity:**

- The whole of the information assessable provides no indication of a carcinogenic effect.
- None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Reproductive Toxicity:**Assessment of Reproduction Toxicity:**

- Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Teratogenicity:**Assessment of Teratogenicity:**

- Based on the ingredients, there is no suspicion of a teratogenic effect.

Aspiration Hazard:

- No aspiration hazard expected.

Other Information:

- The product has not been tested.
- The statements on toxicology have been derived from products of a similar structure and composition.

SYSTEMS OF EXPOSURE:

- The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
- Further important symptoms and effects are so far not known.

SECTION 12. ECOLOGICAL INFORMATION**12.1 TOXICITY:****Ecotoxicity Effects**

Substances	CAS No.	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Contains no hazardous substances	Mixture	Not information available	Not information available	No information available	No information available

12.2 PERSISTENCE AND DEGRADABILITY:**Assessment Biodegradation and Elimination (H2O):**

- The methods for determining biodegradability are not applicable to inorganic substances. (by OECD criteria).

12.3 BIOACCUMULATIVE POTENTIAL:**Assessment Bioaccumulation Potential:**

- No information available.

12.4 MOBILITY IN SOIL:**Information On:**

- No information available.

Assessment Transport Between Environmental Compartments:**Adsorption to Soil:**

- Adsorption to solid soil phase is expected.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT:**According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH):**

- No information available

12.6 OTHER ADVERSE EFFECTS:

- The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

ADDITIONAL INFORMATION:**Endocrine Disruptor Information:**

- This product does not contain any known or suspected endocrine disruptors.

SECTION 13. DISPOSAL CONSIDERATIONS**Unused Material and Residue:****Recommendations:**

- Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Uncleaned (Contaminated) Packaging Disposal:**Recommendations:**

- Rinse empty containers with water and use the rinse-water to prepare the working solution.
- If recycling is not practicable, dispose of in compliance with local regulations.
- Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.
- Disposal must be made according to official regulations.

Recommended Cleansing Agents:

- Water, if necessary together with cleansing agents.

Recycling:

Recommendations:

- Store containers and offer for recycling of material when in accordance with the local regulations.

RCRA:

- Not a hazardous waste under RCRA (40 CFR 261).

SECTION 14. TRANSPORTATION INFORMATION

14.1 UN Number: (DOT, ADR, ADN, IMDG, IATA)	Not classified as a dangerous good under transport regulations.
14.2 UN Proper Shipping Name: (DOT, ADR, ADN, IMDG, IATA)	Not classified as a dangerous good under transport regulations.
14.3 Transport Hazard Class(es): (DOT, ADR, ADN, IMDG, IATA)	Not classified as a dangerous good under transport regulations.
14.4 Packing Group: (DOT, ADR, IMDG, IATA)	Not classified as a dangerous good under transport regulations.
14.5 Environmental Hazard(s): Marine Pollutant:	Not classified as a dangerous good under transport regulations.
14.6 Special Precautions for User:	No
14.7 Transport in Bulk According to Annex II of MARPOL73/78 & the IBC Code: UN "Model Regulation":	Not classified as a dangerous good under transport regulations.

Special Precautions for User:

- None reported by the manufacturer.

Environmental Hazards:

- See ECOLOGICAL INFORMATION, Section 12.

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE UNITED STATES (USA) COMPONENTS LISTED BELOW ARE PRESENT ON THE FOLLOWING U.S. FEDERAL CHEMICAL LISTS:

SARA:

Section 302 (Extremely Hazardous Substances Listings):	None of the chemical substances in this product are subject to reporting.
Section 311/312 (Hazardous Chemical Inventory):	No SARA Hazards
Section 355 (Extremely Hazardous Substances Listing):	None of the chemical substances in this product are listed.
Section 313 (Specific Toxic Chemical Listings):	None of the chemical substances in this product are listed.
TSCA (Toxic Substances Control Act):	All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

Clean Air Act:

Section 12 (40 CFR 61):	This product does not contain any hazardous air pollutants (HAP)
Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):	None of the chemical substance(s) in this product are listed.

Clean Water Act:

Section 311, Table 116.4A (List of Hazardous Substances):	This product does not contain any hazardous substance(s) listed.
Section 311, Table 117.3 (Reportable Quantities of Hazardous Substances List):	None of the chemical substance(s) in this product are listed.
Section 307 (Toxic and Priority Pollutants):	This product does not contain any toxic or priority pollutants.

Proposition 65 (California):

Chemicals Known to Cause Cancer:	This product does not contain any hazardous substance(s) listed.
Chemicals Known to Cause Reproductive Toxicity for Females:	None of the chemical substance(s) in this product are listed.
Chemicals Known to Cause Reproductive Toxicity for Males:	None of the chemical substance(s) in this product are listed.
Chemicals Known to Cause Developmental Toxicity:	None of the chemical substance(s) in this product are listed.

State RTKHS (Right to Know Hazardous Substance List):

State	CAS Number	Chemical Name
Massachusetts	Mixture	Mineral Fiber
New Jersey	Mixture	Mineral Fiber
Pennsylvania	Mixture	Mineral Fiber

Carcinogenic Categories:

EPA (Environmental Protection Agency):	None of the chemical substance(s) in this product are listed.
IARC (International Agency for Research on Cancer):	None of the chemical substance(s) in this product are listed.
TLV (Threshold Limit Value Established by ACGIH):	None of the chemical substance(s) in this product are listed.
NIOSH-CA (National Institute for Occupational Safety and Health):	None of the chemical substance(s) in this product are listed.

Canada:

DSL (Canadian Domestic Substances List):	All of the chemical substance(s) in this product are either listed on the DSL Inventory or in compliance with a DSL exemption.
WHMIS (Workplace Hazardous Materials Information System)	None of the chemical substance(s) in this product are listed.
NPRI (The National Pollutant Release Inventory)	None of the chemical substances in this product are listed.
CEPA (Canadian Environmental Protection Act)	None of the chemical substances in this product are listed.
Canadian Ingredient Disclosure list (limit 0.1%)	None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 1%)	None of the ingredients is listed.

Other Regulations, Limitations and Prohibitive Regulations:

Substances of Very High Concern (SVHC) According to REACH, Article 57	None of the chemical substances in this product are listed.
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Switzerland:

CH INV (New Notified Substances and Declared Preparations):	None of the chemical substances in this product are listed.
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Germany:

MAK (German Maximum Workplace Concentration):	None of the chemical substances in this product are listed.
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Australia:

AICS (Australia Inventory of Chemical Substance):	None of the chemical substances in this product are listed.
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New Zealand:

NZIoC (New Zealand Inventory of Chemical Substances):	None of the chemical substances in this product are listed.
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Japan:

ENCS (Existing and New Chemical Substances Inventory):	None of the chemical substances in this product are listed.
ISHL - (Inventory of Chemical):	None of the chemical substances in this product are listed.

Korea:

KECI (Korean Existing Chemicals Inventory):	None of the chemical substances in this product are listed.
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Philippines:

PICCS (Philippines Inventory of Chemicals and Chemical Substances):	None of the chemical substances in this product are listed.
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China

IECSC (Inventory of Existing Chemical Substances in China):	None of the chemical substances in this product are listed.
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For explanation of abbreviation see section 16.

Further Information:

- This product is to be considered as a preparation according to EU-legislation.

15.2 CHEMICAL SAFETY ASSESSMENT:

- A Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**Legend:**

ADRADR:	Accord Européen sur le Transport des Marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
AICS:	Australia Inventory of Chemical Substances
CA:	California
CAS:	Chemical Abstract Services (division of the American Chemical Society)
CERCLA:	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR:	Code of Federal Regulations
CH INV:	Switzerland. New Notified Substances and Declared Preparations
CSA:	Canadian Standards Association
DNEL:	Derived No-Effect Level (REACH)
DOT:	Department of Transportation
DSL:	Canadian Domestic Substance List
ECHA:	European Chemical Agency
ENCS:	Japanese Existing and New Chemical Substances Inventory
EPA:	Environmental Protection Agency
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
HMIS:	Hazardous Materials Identification System
HSDB:	Hazardous Substances Data Bank
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organisation
IECSC:	Inventory of Existing Chemical Substances in China
IMDG:	International Maritime Dangerous Goods
Inh:	Inhalation
ISHL:	Japanese Inventory of Chemical Substances
KECI:	Korean Existing Chemicals Inventory
LC:	Lethal Concentration
LD:	Lethal Dose
MA:	Massachusetts
MAK:	German Maximum Workplace Concentration
MN:	Minnesota
NFPA:	National Fire Protection Association
NIOSH:	National Institute of Occupational Safety and Health
NJ:	New Jersey
NTP:	National Toxicology Program
NZIoC:	New Zealand Inventory of Chemical Substances
OSHA:	Occupational Safety and Health Administration
PA:	Pennsylvania
PEL:	Permissible Exposure Limit
PICCS:	Philippines Inventory of Chemicals and Chemical Substances
PNEC:	Predicted No-Effect Concentration (REACH)
RCRA:	Resource Conservation and Recovery Act
REACH:	EC 1907/2006
RI:	Rhode Island
RTECS:	Registry of Toxic Effects of Chemical Substances
SARA:	Superfund Amendments and Reauthorization Act
STEL:	Short Term Exposure Limit
TDG:	Canadian Transportation of Dangerous Goods Act & Regulations
TLV:	Threshold Limit Values
TSCA:	Toxic Substance Control Act
TWA:	Time Weighted Average
WHMIS:	Workplace Hazardous Materials Identification System

References:

Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).
 European Chemicals Agency, Classification Legislation, 2015
 Material Safety Data Sheet from Manufacturer/Distributor.
 OECD: Organization for Economic Co-operation and Development, 2015



SAFETY DATA SHEET

Magma Fiber®

Version 1.0	For the New GHS SDS Standard	Revision Date: 12/15/2014
Version 1.1	Hazard and Precautionary Statements	Revision Date: 02/04/2015
Version 1.2	Updated Graphics	Revision Date: 03/09/2015
Version 1.3	UN#, ICC GHS Edits	Revision Date: 05/20/2015
Version 1.4	Edits in Section 9	Revision Date: 05/21/2015
Version 1.5	Edits to Section 5	Revision Date: 06/02/2015
Version 1.6	Additions to Section 9	Revision Date: 06/25/2015

Other Special Considerations for Handling:

- Provide adequate information, instruction and training for operators.

Miscellaneous Hazard Classes:

Canadian Carcinogenicity Hazard Class: Not Applicable.

Physical Hazards Not Otherwise Classified (PHNOC): Not Applicable.

Health Hazards Not Otherwise Classified (HHNOC): Not Applicable.

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Current SDS Code: "Magma Fiber SDS 04/11/2017ggV5rel2"	Previous Document Date of Release: April 11, 2017
Revision Date: 04/12/2017	Revision No. 5 Release No. 2
Prepared By: K. Gifford Goodhue, Jr.	Verified By: Mark Walters on 04/12/2017
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End of Safety Data Sheet