



1 Dewolf Rd. Suite 210
Old Tappan, NJ 07675
Tel: 201-767-0414 Fax: 201-767-0743
www.kingsfieldinc.com

Safety Data Sheet

Section 1 Product and Company Identification

Product Name	Mag-Paks-Magnesium Silicate Filter Powder Oil Optimizer Synthetic Magnesium Silicate Adsorbent
Manufacturer	Kingsfield Inc.
Manufacturer Address	1 Dewolf Rd. Suite 210 Old Tappan, NJ 076675
Emergency contact	CHEMTREC Customer Service Tel: 1-800-262-8200 (within the U.S.) Email: chemtrec@chemtrec.com

Section 2 Hazards Identification

Hazard class and label elements of the substance according to GHS(the fifth revised edition):

GHS hazard class

Pictogram





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Signal	Warning
Hazard statement(s)	H335 May cause respiratory irritation
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Prevention	P232 Protect from moisture. P233 Keep container tightly closed. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P312 Call a POISON CENTER/doctor/if you feel unwell. P363 Wash contaminated clothing before reuse.
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/international regulations.



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Section 3 Composition/Information on Ingredients

Component	Concentration (%)	CAS No.	EC No.
Magnesium Silicate	85-100	1343-88-0	215-681-1
Water	≤15	7732-18-5	231-791-2

Section 4 First Aid Measures

After skin contact	Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	Remove to fresh air. Oxygen if needed. Get immediate medical attention.

Section 5 Fire Fighting Measures

Hazardous products of combustion	Magnesium Oxides, Silicon Oxides.
Extinguishing method	Water spray.
Special protective equipment	Wear protective clothing. Including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.



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Section 6 Accidental Release Measure

Personal protective measures	Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental protective measures	Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.
Methods for taking in and cleaning up	Pick up and arrange disposal in suitable container and clean contaminated surface thoroughly.

Section 7 Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 Exposure Controls/Personal Protection

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower facility. Use adequate ventilation to keep airborne concentrations low.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Eye protection	Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.
Hand Protection	Wear appropriate chemical resistant gloves.
Body protection	Use clean protective body-covering as needed to minimize contact with clothing and skin.



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Section 9 Physical and Chemical Properties

Appearance	White freely flowing granule or powder.
Odour	No data available
Odour Threshold	No data available
pH	8~10
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density(g/L)	300~550
Water solubility	Insoluble
Partition coefficient: noctanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

Section 10 Stability and Reactivity

Reactive	No data available.
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available.
Avoid conditions	Incompatible substance, moisture.
Incompatible materials	Avoid contact with strong acids.
Hazardous decomposition products	Magnesium oxides and Silicon oxides.



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Section 11 Toxicological Information

Acute toxicity: No data available.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Cause serious eye damage.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity – single exposure: No data available.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12 Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13 Disposal Considerations

Property of waste: Hazardous Waste.

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.

Precautions of disposal: Professional processing together.



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Section 14 Transport Information

UN number: No data available.

UN proper shipping name: No data available.

Transportation primary hazard class: No data available.

Transportation secondary hazard class: No data available.

Packing group: No data available.

Section 15 Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Magnesium Silicate	√	√	√	√
Water	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 Additional Information

This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition), is only for users reference. Users should make their independent judgment of suitability of this information for their particular purposes. The data in this Safety Data Sheet is believed to be correct. However, since conditions of use are outside our control it should not taken as a warranty of representation for which Kingsfield Inc. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.