

SECTION 1: IDENTIFICATION

Product name: Jetmag® , Olimag® , Magfill®
Other names:: Synthetic olivine - pyroxen
Magnesium silicate
Enstatite (MgSiO₃)
Forsterite (Mg₂SiO₃)
Hematite (Fe₂O₃)

Recommended uses: Sand blast (abrasive)
Refractory sand
Geothermal grout
Rail traction sand

Restrictions on use: None

Supplier: **Les Sables Olimag Inc**
725 Caouette Ouest C.P. 276
Thetford Mines QC G6G 5T1 CANADA

Phone: 418-338-3562 info@olimag.com

SECTION 2: HAZARD IDENTIFICATION

Hazard classification: **Olimag products are not hazardous products as defined by the Canadian federal hazardous products regulation DORS / 2015-17 of January 30th 2015 and US OSHA Hazard Communication Standard. Olimag products are not classified under the Workplace Hazardous Material Information System (WHMIS). Olimag products present no physical hazard, no health hazard and no environmental hazard. NO PICTOGRAM IS REQUIRED.**

Warning: Although Olimag products are not hazardous, it is highly recommended to wear protective equipments (gloves, safety goggles, respiratory protection) when used as an abrasive media for sand blasting purposes. Page 1/6

SECTION 3: COMPOSITION / INGREDIENTS**Chemical name:** Magnesium silicate

Chemical analysis	
Element	% weight
MgO	38 - 42
SiO ₂ (*)	39 - 47
Fe ₂ O ₃	7 - 10
Al ₂ O ₃	0,3 - 1,3
CaO	0,8 - 1,0
Autres	1 - 2

Mineral analysis	
Mineral	% weight
Mg ₂ SiO ₃	50 - 60
MgSiO ₃	25 - 30
MgFe ₂ O ₄	8 - 10
Fe ₂ O ₃	2 - 8
Autres	4 - 5

(*) In silicate form with less than 1 % free silica.

Common name: Synthetic olivine**CAS number:** RN 12 44 003-26-6**Chemical name of impurities,
solvents and / or additives:** None**SECTION 4: FIRST AID**

First aid measures:

Respiratory: none
Skin contact: none
Eye contact: Olimag products may cause irritation when in contact with the eyes. Flush the eyes with abundant running water. If irritation persists, get immediate medical attention.
Ingestion: If large quantities are swallowed, get immediate medical attention.

Symptoms and effects: None

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Olimag products are not flammable and not combustible. All types of extinguishing medias are compatible in case of surrounding fire.

For fire-fighters: No specific protection equipment is needed for fire-fighters in action in the surrounding of Olimag products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Olimag products present no actual hazard in case of accidental release. No specific protection equipment is needed in case of such release.

Containment method: No containment is needed in case of accidental release.

SECTION 7: HANDLING AND STORAGE

Handling precautions: None

Conditions for safe storage: Store in a dry location.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Control parameters: Threshold limit values under regulation (S-2.1, r.15):
10 mg / m³ total dust
5 mg / m³ breathable dust

Engineering controls: Appropriate ventilation and dust collecting system when products are used as abrasive media for sand blasting.

Personal Protection: For use as abrasive media for sand blasting:
Hands protection: appropriate protective work gloves.
Eyes protection: appropriate safety google with side protection.
Appropriate respiratory protection: dust and particles coming from the surfaces being sand blasted may represent a potential health hazard.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Color varies from light to dark brown.

Odour: None

Odour threshold: Non

pH: 8,4

Melting point / freezing: > 1700 °C

Boiling point: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability: None

**Lower flammable /
explosive limit:** None

**Upper flammable /
explosive limit:** None

Vapour pressure: N/A

Vapour density: N/A

Relative density: 2.8 - 2.9 g / cm³

Solubility: Insoluble in water

**Partition coefficient
n - octanol / water:** N/A

**Auto-ignition
temperature:** N/A

**Decomposition
temperature:** N/A

Viscosity: N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Non reactive under normal conditions of storage and use.

Chemical stability: Stable

Possibility of hazardous reactions: None known

Conditions to avoid: None known

Incompatible materials: None known

Hazardous decomposition products: None known

SECTION 11: TOXICOLOGICAL INFORMATION

Description: Olimag products don't present any toxicological hazard, no short or long term effect on the respiratory, oral, skin or eyes levels.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: N/A

Persistence and degradability None

Bioaccumulative potential: None

Mobility in soil: N/A

Other adverse effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Information: If they are not contaminated with hazardous products, the Olimag products are inert and are not hazardous. No specific protection measures are required for the handling and disposal of the Olimag products and / or its packaging.

SECTION 14: TRANSPORT INFORMATION

UN number: N/A

UN proper shipping name: N/A

Transport hazard classes: Transport of Olimag products is not regulated.

Packaging: In 1400 kg big bag or in 25 kg bag.

Environmental hazard: None

Bulk transport: Possible

Special precaution: None

SECTION 15: REGULATORY INFORMATION

Information: No specific regulation in the fields of occupational health and safety and / or environment apply to Olimag products.

SECTION 16: OTHER INFORMATIONS

Last up-dated: May 2024