

**SECTION 1: IDENTIFICATION**

**Product name:** Jetmag® , Olimag® , Magfill®  
**Other names::** Synthetic olivine - pyroxen  
Magnesium silicate  
Enstatite (MgSiO<sub>3</sub>)  
Forsterite (Mg<sub>2</sub>SiO<sub>3</sub>)  
Hematite (Fe<sub>2</sub>O<sub>3</sub>)

**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](mailto: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 <sub>2</sub> (*)	39 - 47
Fe <sub>2</sub> O <sub>3</sub>	7 - 10
Al <sub>2</sub> O <sub>3</sub>	0,3 - 1,3
CaO	0,8 - 1,0
Autres	1 - 2

Mineral analysis	
Mineral	% weight
Mg <sub>2</sub> SiO <sub>3</sub>	50 - 60
MgSiO <sub>3</sub>	25 - 30
MgFe <sub>2</sub> O <sub>4</sub>	8 - 10
Fe <sub>2</sub> O <sub>3</sub>	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 / m<sup>3</sup> total dust  
5 mg / m<sup>3</sup> 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 / cm<sup>3</sup>

**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:** January 5<sup>th</sup> 2022