

Les Sables
OLIMAG Inc.

MATERIAL SAFETY DATA SHEET

SECTION I

Manufacturer's name	Les Sables Olimag Inc.	Telephone no.	(418) 338-3562
Address	725 Boul. Caouette, P.O. Box 276, Thetford Mines, (QC) G6G 5T1		
Chemical name & synonyms	Synthetic olivine	Trade name & synonyms	JETMAG OLIMAG MAGFILL
Chemical family	Magnesium silicate	Formula	Enstatite ($MgSiO_3$) Forstérite (Mg_2SiO_4) HÉMALITE (Fe_2O_3)

CHEMICAL ANALYSIS

SECTION II

	% IN WEIGHT
MgO	38 - 42
SiO ₂ *	39 - 45
Fe ₂ O ₃	7 - 10
Al ₂ O ₃	.3 to 1.3
CAO	5.7 to 6.2
Others	2 to 3

* More than 99% of the silica is chemically linked to magnesium. It is silica safe containing less than 1% free silica

SECTION III

PHYSICAL DATA

Boiling point (°F) Aggregate	none	Specific gravity (H ₂ O=1)	2.8
Vapor pressure (mmHg.)	n/a	% volatile by volume	0%
Vapor Density (air = 1)	n/a	Evaporation rate (____=1)	0%
Solubility in water	0%		
Appearance and odor	light to dark brown no odor		

SECTION IV

FIRE & EXPLOSION HAZARD DATA

Flash point (method used):	n/a	Flammable limits	Lel	Uel
Extinguishing media:	n/a			
Special fire fighting procedures:	n/a			
Usual fire and explosion hazards:	none			

SECTION V

HEALTH HAZARD DATA

Threshold limit value	10 mg/m ³ total dust 5 mg/m ³ respirable dust S-2.1, r. 15, Quebec
Effects of overexposure	same as any other nuisance dust
Emergency & first aid procedures	OLIMAG sand is a calcined magnesium silicate used as a sand for various applications, with various sizes and grades. There is no hazards except if finer particules lodge in the eye. Standard medical procedures can be used.

SECTION VI

REACTIVITY DATA

Stability aggregate	Unstable		Conditions to avoid	
	Stable	X		
Hazardous decomposition products			none	
Hazardous polymerization	may occur		Conditions to avoid	none
	will not occur	X		

SECTION VII

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled. Can be swept, shoveled or handled at your discretion.	none necessary
Waste disposal method	Standard procedure for sand and aggregate

SECTION VIII

SPECIAL PROTECTION INFORMATION

Respiratory protection (specify type)	Respirator if working with sand particules under 200 mesh			
Extinguishing media : n/a				
Ventilation Normal	local exhaust: n/a		special	n/a
	mechanical (general)	n/a	other	n/a
Protective gloves	not required	Eye protection	protection from airborne particules	
Other protective equipment	not required			

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing	Same as used for any sand and aggregate
Other precautions	none required