

LES SABLES OLIMAG SAND inc.

C.P. 276

Thetford Mines (Québec) Canada

G6G 5T1

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JETMAG

SYNTHETIC OLIVINE
PYROXENE SANDS FOR BLAST CLEANING

ADVANTAGES :

- Jetmag offers excellent sanding quality and its cost/performance ratio is highly competitive. It allows either more rapid cleaning and/or reduces consumption of sand.
- Because of its chemical and mineral composition, Olimag is a non-toxic material. It thus improves the quality of the workplace for sanders and other construction site employees. Less than 1 % free silica.
- The majority of large firms agrees on the fact that Olimag produces the least amount of use in North-Eastern area.
- As well, it offers greater productivity in enclosed work places.
- Reduce dumping charge (less material to dispose).
- Jetmag is recyclable 3-4 times with a recycling system.

STANDARD SIZES

JETMAG	PROFIL MAIN USE	
16-60	4 to 6	Hard rust, deep cavities, boat and bridge reconditioning Painted or rusted steel, pre-plating, concrete (decorative aggregates).
30-60	2.5 to 4	New steel, structural steel, industrial equipment, heavy machinery, truck.
32B4	2 to 3	New and painted steel with a bit of rust, truck (wheels)
35-70	1.5 to 2.5	Cars (body shop), few cavities, new steel, stainless steel
60B2	.5 to 1	Stainless steel, fibreglass, aluminium, wood

CHEMICAL ANALYSIS		PHYSICAL PROPERTIES
ELEMENTS	% WEIGHT	
MgO	40-45	Specific gravity (10-70): 2.72-2.94g/cc*
SiO ₂ *	39-45	Density (compacted): 78-84 lbs/pi ³ *
Fe ₂ O ₃	7-10	Form of particles : Angular
AL ₂ O ₃	.3-1.3	Water absorption : Absorbs no humidity
CaO	.8 to 1	
Others	1 to 2	*According to size

More than 99 % of the silica is chemically linked to magnesium, less than 1 % free silica



JETMAG[®]

SYNTHETIC OLIVINE FOR BLAST CLEANING

JETMAG. sinteres in a rotary kiln at 2 300°F. to produce a synthetic olivine abrasive media, a compound of the magnesium family.

The sintering process result in a jagged glazed grain with a smooth surface, hence **JETMAG.** does not shatter on impact as will silica sand or slag grit media.

JETMAG. special characteristics are the following:

- Less **JETMAG.** is required for a given job.
- JETMAG.** increase productivity. (It allows more rapid cleaning.)
- JETMAG.** generates less dust and is environmentally friendly.
- (It is silica safe-containing less than 1% free silica.)
- JETMAG.** is recyclable minimum 3-4 times with a recycling system.
- JETMAG.** will reduce your dumping charge.

JETMAG. is manufactured in different grades of 25 kg./bag (55 pds.), 56 bags/palet in super sacs (3 100 lbs) and bulk:

Body shop (nozzle 1/8" dia.)

- **35-70:** Smooth finish for car body.
- **32-B4:** Rouch, rusty surface, wheels, trucks, heavy machinery.

Industrial (nozzle larger than 1/8" dia.)

- **30-60:** Heavy machinery, trucks, steel structure, concrete.
- **16-60:** Bridges, shipyards, heavily coated surface.

Manufactured by **OLIMAG Sands inc.** (USA & Canadian patent)

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 ₂ SiO ₄) HÉMALITE (Fe ₂ O 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

PHYSICAL DATA

SECTION III

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		

FIRE & EXPLOSION HAZARD DATA

SECTION IV

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