

Non-hazardous material safety data sheet for

Synthetic Olivine - Magfill

SECTION 1: Identification of the substance/mixture of the company/undertaking

1.1 Product identifier

Product name:	Jetmag® , Olimag® , Magfill®
Other names:	Magnesium silicate, synthetic olivine, pyroxen
REACH registration number:	Exempt
CAS number:	RN 12 44 003-26-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:	Refractory material, sandblast (abrasive) geothermal grout, rail traction sand
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1.3 Details of the supplier of the safety data sheet

Les Sables Olimag, 725 Caouette C.P. 276 Thetford Mines QC G6G 5T1 CA
info@olimag.com

1.4 Emergency telephone number of supplier

Les Sables Olimag 418-338-3562

Hours of operation: 09.00 – 16.00 (local business hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008):	Physical and chemical hazards: not classified Human health: STOT RE 2 – H373 Environment: not classified
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The full text for all R-phrases and hazard statements are displayed in section 16.

2.2 Label elements

Label in accordance with (EC) No. 1272/2008: No pictogram required

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.1 Substances

Product / ingredient name	%	CAS No	EC No	Classification	Mineral Analysis	
				Regulation (EC) No. 1272/2008 [CLP]	Mineral	% Weight
MgO	38 -42	1309-48-4	215-171-9	Not classified	Mg ₂ SiO ₃	50 - 60
SiO ₂ (*)	39 -47	112926-00-8	231-545-4	Not classified	MgSiO ₃	25 - 30
Fe ₂ O ₃	7-1 0	1309-37-1	215-275-4	Not classified	MgFe ₂ O ₄	8 - 10
Al ₂ O ₃	0.3-1.3	1344-28-1	215-691-6	Not classified	Fe ₂ O ₃	2 - 8
CaO	0.8-1.0	1305-78-8	215-138-9	Not classified	Others	4 - 5
Others	1- 2			Not classified		

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

The full text for all R phrases and hazard statements are displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion:	Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Skin contact:	Wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact:	Make sure to remove any contact lenses from the eyes before rinsing. Rinse eye with water immediately. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No specific symptoms noted.	Ingestion:	No specific symptoms noted.
	No specific symptoms noted.	Skin contact:	No specific symptoms noted.
Eye contact:	No specific symptoms noted.		

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Fire fighting measures

5.1 Extinguishing media	This product is not flammable. Use fire extinguishing media appropriate for surrounding materials.
5.2 Special hazards arising from the substance or mixture	
Hazardous combustion products:	None under normal conditions
5.3 Advice for firefighters	
Special fire fighting procedures:	No specific fire fighting procedures given

SECTION 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Follow precautions for safe handling described in this safety data sheet

6.2 Environmental precautions

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Transfer to a container for disposal.

6.4 Reference to other sections

For personal protection see section 8. For waste disposal see section 13.

SECTION 7 : Handling and storage

7.1 Precautions for safe handling

Avoid handling which leads to dust formation. Avoid inhalation of high concentrations of dust. Observe occupational exposure limits and minimise the risk of inhalation of dust.

compatibilities

7.2 Conditions for safe storage, including any in Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

The identified uses for this product are detailed in section 1.2

7.3 Specific end use(s)

SECTION 8 : Exposure controls / personal protection

8.1 Control parameters

Name	STD	TWA – 8hrs		STEL – 15mins		Notes
Synthetic Oli vine	WEL	10 mg/m ³	5 mg/m ³			

WEL = Workplace Exposure Limit

8.2 Exposure controls Protective equipment



Engineering measures: Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust.

Respiratory equipment: No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Wear dust masks in dusty areas.

Hand protection: No specific hand protection noted, but gloves may still be advisable.

Eye protection: Wear dust resistant safety goggles where this is a danger of eye contact. Other protection: Provide eyewash station.

Hygiene measures: Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9 : Physical and chemical properties

9.1 Information on basic and physical and chemical properties

Appearance: Granular sand, crushed or ground to a powder

Colour: Color varies from light to dark brown

Odour: Odourless

Solubility: Insoluble in water

Melting point (°C): > 1700

Relative density: 1.8 - 1.40 g / cm³ - 84.55 - 87.80 lb / ft³

pH value: N/A

9.2 Other information Not relevant

SECTION 10 : Stability and reactivity

10.1 Reactivity	No specific reactivity hazards associated with this product.
10.2 Chemical stability	Stable under normal temperature conditions.
10.3 Possibility of hazardous reactions	Not relevant
10.4 Conditions to avoid	No specific conditions are likely to result in a hazardous situation
10.5 Incompatible materials Materials to avoid:	No specific, or groups, of materials are likely to react to produce a hazardous situation.
10.6 Hazardous decomposition products	None under normal circumstances

SECTION 11 : Toxicological information

11.1 Information on toxicological effects Other health effects:	This substance has no evidence of carcinogenic properties.
Acute toxicity	Not relevant
Acute toxicity (Oral LD50):	Acute Not relevant
Acute toxicity (Dermal LD50):	Acute toxicity Not relevant
Acute toxicity (Inhalation LC50):	Dust in high concentrations may irritate the respiratory system.
Inhalation:	May cause discomfort if swallowed.
Ingestion:	No short or long term effect
Skin contact:	Particles in the eyes may cause irritation and smarting.
Eye contact:	

SECTION 12 : Ecological information

Ecotoxicity:	Not regarded as dangerous for the environment.
12.1 Acute fish toxicity:	Not considered toxic to fish.
12.2 Persistence and degradability Degradability:	The product is not readily biodegradable.
12.3 Bioaccumulative potential:	The product is not bioaccumulating.
12.4 Mobility in soil:	Not relevant, due to the form of the product.
12.5 Results of PBT and vPvB assessment:	This product does not contain any PBT or vPvB substances.
12.6 Other adverse effects:	None known

SECTION 13 : Disposal considerations

13.1	Waste treatment methods:	Dispose of waste and residues in accordance with local authority requirements.
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SECTION 14: Transport considerations

Road transport notes: Not classified
 Rail transport notes: Not classified Sea
 transport notes: Not classified Air
 transport notes: Not classified

- 14.1 UN Number:** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
- 14.2 UN proper shipping name:** Not classified for transportation.
- 14.3 Transport and hazard class(es):** Not classified for transportation.
- 14.4 Packing group:** Not classified for transportation.
- 14.5 Environmental hazards**
 Environmentally hazardous substances / marine pollutant: no
- 14.6 Special precautions for user:** Not classified for transportation.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
 Not applicable

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**
 Approved code of practice: Classification and labelling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
 Guidance notes: Workplace Exposure Limits EH40.
 EU Legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulations (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
 Not applicable. No chemical safety assessment has been carried out.
- 15.2 Chemical Safety Assessment:**

SECTION 16: Other information

Revision date: 01/03/2020
 Revision: 2
 Risk phrases in full: NC – not classified

Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However no warranty guarantee or representation is made to its accuracy, reliability of completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.