



MSDS FOR JETMAG® MEDIA

SECTION 1 : PRODUCTION IDENTIFICATION AND USE

PRODUCT NAMESJetmag®, Olimag®, Magfill®
 OTHER NAMESSynthetic olivine - Pyroxen - Magnesium silicate
 CHEMICAL FAMILYEnstatite ($MgSiO_3$) Forsterite (Mg_2SiO_3) Hematite (Fe_2O_3)
 MAT'L DESCRIPTION PROPER SHIPPING NAME.....Plastic mat'l, free flowing, item OBTS, Class 55
 FORMULA.....Non apply
 USES.....Sand blast (abrasive) - Refractory sand
 Geothermal grout - Rail traction sand
 SUPPLIER'S NAME **INTERNATIONAL SURFACE TECHNOLOGIES**

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SECTION 2 : HAZARD IDENTIFICATION

HAZARDS CLASSIFICATION

These 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. These products are not classified under the Workplace Hazardous Material Information System (WHMIS). These products present no physical hazard, no health hazard and no environmental hazard.

NO PICTOGRAM IS REQUIRED.

WARNING

Although these 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.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name: Magnesium silicate

CHEMICAL ANALYSIS		
Element	% Weight	CAS Number
MgO	38 - 42	1309-48-4
SiO ₂ (*)	39 - 47	112926-00-8
Fe ₂ O ₃	7 - 10	1309-37-1
Al ₂ O ₃	0,3 - 1,3	1344-28-1
CaO	0,8 - 1,0	1305-78-8
Others	1 - 2	

MINERAL ANALYSIS	
Mineral	% Weight
Mg ₂ SiO ₃	50 - 60
MgSiO ₃	39 - 47
MgFe ₂ O ₄	7 - 10
Fe ₂ O ₃	0,3 - 1,3
Others	1 - 2

(*) Linked with magnesium in silicate form with less than 1 % free silica.

COMMON NAME	Synthetic olivine
CAS NUMBER	RN 12 44 003-26-6
CHEMICAL NAME OF IMPURETIES, SOLVENTS AND / OR ADDITIVES	None



SECTION 4 : FIRST AID

FIRST AID MEASURES	<p>Respiratory: none</p> <p>Skin contact: none</p> <p>Eye contact: These products may cause irritation when in contact with the eyes. Flush the eyes with abundant running water. If irritation persist, get immediate medical attention.</p> <p>Ingestion: If large quantities are swallowed, get immediate medical attention.</p>
SYMPTOMS AND EFFECTS	None

SECTION 5 : FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	These 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 these products.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	These products present no actual hazard in case of accidental release. No specific protection equipment is needed in case of such release.
METHODS FOR CONTAINMENT	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	<p>Threshold limit values under regulation (S-2.1, r.15):</p> <ul style="list-style-type: none">○ 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	<p>For use as abrasive media for sand blasting</p> <p>Hands protection: appropriate protective work gloves.</p> <p>Eyes protection: appropriate safety google with side protection.</p> <p>Appropriate respiratory protection: dust and particles coming from the surfaces being sand blasted may represent a potential health hazard.</p>



SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Color varies from light to dark brown.
ODOR	None
ODOR THRESHOLD	
pH	Non apply
MELTING POINT / FREEZING	> 1700 °C
BOILING POINT	Non apply
FLASH POINT	
EVAPORATION RATE	
FLAMMABILITY	None
LOWER FLAMMABLE / EXPLOSIVE LIMIT	
UPPER FLAMMABLE / EXPLOSIVE LIMIT	
VAPOUR PRESSURE	Non apply
VAPOUR DENSITY	
BULK DENSITY SAND PRODUCTS	1,36 - 1,40 g / cm ³ - 84,55 - 87,80 lb/ ft ³
SOLUBILITY	Insoluble in water
PARTITION COEFFICIENT N - OCTANOL / WATER	Non apply
AUTO-IGNITION TEMPERATURE	
DECOMPOSITION TEMPERATURE	
VISCOSITY	

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	
INCOMPATIBLE MATERIALS	
HAZARDOUS DECOMPOSITION PRODUCTS	

SECTION 11 : TOXICOLOGICAL INFORMATION

DESCRIPTION	These products don't present any toxicological hazard, no short or long term effect on the respiratory, oral, skin or eyes levels.
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SECTION 12 : ECOLOGICAL INFORMATION

ECOTOXICITY	Non apply
PERSISTENCE AND DEGRADABILITY	None
BIOACCUMULATIVE POTENTIAL	
MOBILITY IN SOIL	Non apply
OTHER ADVERSE EFFECTS	None known

SECTION 13: DISPOSAL CONSIDERATIONS

INFORMATION	If they are not contaminated with hazardous products, these products are inert and are not hazardous. No specific protection measures are required for the handling and disposal of these products and / or its packaging.
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SECTION 14: TRANSPORT INFORMATION

UNITED NATIONS NUMBER	Non apply
UN PROPER SHIPPING NAME	
TRANSPORT HAZARD CLASSES	Transport of these products is not regulated.
PACKAGING	In 1200 kg big bag or in 25 kg bag.
ENVIRONMENTAL HAZARD	None
BULK TRANSPORT	Possible
SPECIAL PRECAUTION	None

SECTION 15: REGULATORY CONSIDERATIONS

INFORMATION	No specific regulation in the fields of occupational health and safety and / or environment apply to these products.
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SECTION 16: OTHERS INFORMATIONS

LAST UP-DATED	December 2nd 2016
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