



**SAFETY DATA SHEET**

page 1/4

Issued: JANUARY 2003

<b>1) COMPANY AND PRODUCT IDENTIFICATION</b>	
MANUFACTURER	MOSCONI Srl
ADDRESS	26021 ANNICCO ( CR ) - ITALY Villa Fornace, 4
PHONE AND FAX	( ++39 ) 0374 - 79020 ( ++39 ) 0374 - 79101
E-mail	<a href="mailto:info@mosconi.it">info@mosconi.it</a>
TRADE NAME	ISOLMOS 450 ISOLMOS 550 ISOLMOS AW-500
GENERIC NAME	Refractory insulating bricks for max. temperature of 900 °C
<b>2) COMPOSITION - INFORMATION ON INGREDIENTS</b>	
MATERIALS OR COMPONENTS	Expanded perlite and clay (aluminium-silicates). From the analysis on the finished product is reported the presence of quartz. Cristobalite or tridymite are not found. Does not contain asbestos or other fibres.
<b>3) HAZARDS IDENTIFICATION</b>	
CLASSIFICATION	The product is not classifiable as dangerous according to the 88/379/ EEC DIRECTIVES Dangerous Substances.
HAZARDS	It must be warn that the manufacturing of the product can release dusts containing crystalline silica. These dusts may cause irritation to the high respiratory system, to the skin and to the eyes. Long term exposure to the crystalline silica dust (quartz and cristobalite) may cause lung fibrosis (silicosis) and according to IARC may increase the risk to develop pulmonary neoplasia. The ACGIH has determined the crystallina silica-quarz is probably carcinogenic to humans (Class A2).
<b>4) FIRST AID MEASURES</b>	
INHALATION	Remove to fresh air, drink water to clear the throat and blow nose to evacuate dust. If cough and irritation persist consult a doctor.
SKIN CONTACT	Wash with running water.
EYE CONTACT	Flush open eyes with running water for at least 15 minutes. If irritation persists consult a doctor. Remove contact lenses.
INGESTION	Inert material, not dangerous.



**SAFETY DATA SHEET**

page 2/4

Issued: JANUARY 2003

<b>5) FIREFIGHTING MEASURES</b>													
GENERAL INSTRUCTION	The product is non-combustible and non-flammable. No special action have to be taken in case of fire on the premises.												
<b>6) ACCIDENTAL RELEASE MEASURES</b>													
PERSONAL PRECAUTIONS	In dusty place, use protection equipment as indicated at point 8.												
ENVIRONMENTAL PRECAUTIONS	The components of the product are natural and inert.												
CLEAN UP PROCEDURES	Avoid to raise dust, use de-dusting equipment and wet the floor.												
<b>7) HANDLING AND STORAGE</b>													
HANDLING	Observe the safety and hygienic working rules for exposition and adopt personal protection as indicated at point 8.												
STORAGE	Store in dry area. No other conditions are requested. adopt personal protection as indicated at point 8.												
<b>8) EXPOSURE CONTROLS-PERSONAL PROTECTION</b>													
HYGENIC - ENVIRONMENTAL MEASURES	Use de-dusting equipment in the working area, especially in the drilling and cutting area (de-dusting filters).												
EXSPOSURE LIMITS	The following exposure limits are referred to possible components dispersed during the handling, the manufacturing and the grinding of the product.												
	<table border="1"> <thead> <tr> <th>MATERIAL</th> <th>TLV-TVA (mg/m<sup>3</sup>)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Irritating dust</td> <td>10</td> <td></td> </tr> <tr> <td>Irritating breathable dust (&lt;5µm)</td> <td>3</td> <td></td> </tr> <tr> <td>Quartz</td> <td>0,05</td> <td>A2 (Probably carcinogenic to humans)</td> </tr> </tbody> </table>	MATERIAL	TLV-TVA (mg/m <sup>3</sup> )	Notes	Irritating dust	10		Irritating breathable dust (<5µm)	3		Quartz	0,05	A2 (Probably carcinogenic to humans)
MATERIAL	TLV-TVA (mg/m <sup>3</sup> )	Notes											
Irritating dust	10												
Irritating breathable dust (<5µm)	3												
Quartz	0,05	A2 (Probably carcinogenic to humans)											
RESPIRATORY PROTECTION	People exposed to higher indicated limits concentration must wear the protection respiratory equipment.												
EYE PROTECTION	People employed in cutting or drilling must wear protective glasses. Must not wear contact lenses.												
HAND PROTECTION	Wear protective gloves against scraping.												
SKIN PROTECTION	Wear adequate protective working cloths.												



**SAFETY DATA SHEET**

page 3/4

Issued: JANUARY 2003

<b>9) PHYSICAL AND CHEMICAL PROPERTIES</b>	
SHAPE	Reddish porous bricks
STATE	Solid
SMELL	N/ap
pH	N/ap
BOILING POINT	N/ap
MELTING POINT	> 1100 °C
FLAMMABILITY	Non flammable
COMBUSTIVE PROPERTIES	None
DENSITY (Kg/m <sup>3</sup> )	425-500
MELTING IN WATER	Not soluble
MELTING IN ORGANIC SOLVENTS	Not soluble
MIXABILITY	N/ap
CONDUCTIBILITY	N/ap
VISCOSITY	N/ap
<b>10) STABILITY - REACTIVITY</b>	
CONDITIONS TO AVOID	N/ap
SUBSTANCES TO AVOID	N/ap
DECOMPOSITION RISKS	N/ap
<b>11) TOXICOLOGICAL INFORMATION</b>	
TOXICOLOGICAL HAZARDS	Not hazard under the condition is put on the market.
ACUTE TOXICITY	Long exposure to dust may cause cough and dyspnea. Skin contact may cause irritating effects. Eye contact may cause irritation and corneal lesions of different entities.
CHRONIC TOXICITY	The manufacturing of the product can release dust containing quartz. Long professional exposure may cause lung fibrosis and a higher risk of pulmonary neoplasia.
CARCINOGENICITY	The IARC has classified the crystalline silica as being carcinogenic to human (Class 1). The amorphous silica is not classified as carcinogenic (Class 3). The ACGIH has determined the crystallina silica-quarz is probably carcinogenic to humans (Class 2).
SUGGESTIONS FOR DOCTOR	Is advisable for long exposure workers to dust to go under regular medical check ups.
<b>12) ECOLOGICAL INFORMATION</b>	
GENERAL INFORMATION	The product is not hazard to the environment.
<b>13) DISPOSAL CONSIDERATION</b>	
GENERAL INFORMATION	The wastes are classified as not dangerous, and there is not any particular transport regulation. The wastes have to be disposed in authorised dump for inert wastes. If the product is contaminated by dangerous substances, contact an environmentalist.



**SAFETY DATA SHEET**

page 4/4

Issued: JANUARY 2003

**14) TRANSPORT INFORMATION**

GENERAL INFORMATION

The product as it is, must not undergo to any international transportation rule.

**15) REGULATORY INFORMATION**

GENERAL INFORMATION

Not dangerous according to the 88/379/EEC Hazard Product Regulation.

DANGER SIGNALS

Not requested.

WARNING NOTICE

Not pertinent.

**16) OTHER INFORMATION**

The information of this safety sheet are given in good faith to comply with the current knowledge, the EEC and the Italian regulation in force in November 2002.