

MATERIAL SAFETY DATA SHEET



Section I: Product Identification

	Product Name	1/4		NOTE: Do not leave fields on blank. If a question does not apply or is not stated, it is	-
	FORMULA 2	الميني .		necessary to identify according the following: Applicable N/E: Not stated	i
l		- 1	No. CAS	Non applicable. List of Individual components in section 3.	-

Section II: Manufacturer Identification

Manufacturer Name MACESA REFRACTARIO	1	In case of emergency call; (01152) 81 24 8219
Address: BOULEVARD DIAZ ORDAZ Km. 335.5	:::::::::::::::::::::::::::::::::::::	For further information cell: (01152) 81 24 82 35
GARZA GARCIA, N.L. MEXICO CP 66230		Creation date: 01/02/2012 Signature
Distributer Name Dal-tile México	7	Distributer Phone Number: (01152) 81 24 82 34 / 28

Section III: Hazardous components

	Component Name	No. CAS/#EINECS	Concentration (%)	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	Other recommended limits
1	Silica in quartz form	14808-60-7/238-878- 4	9.5%	10 mg/m3 (Breath.)	0.05 mg/m3 (Breath.)	N/E
2	Muscobite	12001-26-2	3.4%	20 ppm (Breath.)	3 mg/m3 (Breath.)	N/E
3	Titanium Dioxide	13463-67-7/236-6 7 5-	4.4%	15 mg/m3 (Total)	10 mg/m3 (Resp)	N/E
4	Aluminum silicate	1318-74-7/215-286- 4	10.0%	5 mg/m3 (Breath.)	2 mg/m3 (Breath.)	N/E
5	Talc	14807-96-6	17.5%	2 mg/m3 (Breath.)	2 mg/m3 (Breath.)	N/E
6	Mullite	1302-93-8	24.3%	15 mg/m3 (Breath.)	2 mg/m3 (Breath.)	N/E
7	Amorphous Silica	7631-86-9	19.5%	80 mg/m3 (Breath.)	10 mg/m3 (Breath.)	N/E
8	Kyanite	1302-76-7	0.4%	10 mg/m3 (Breath.)	0.1 mg/m3 (Resp)	N/E
9	Cristobalite	14464-46-1	5.4%	10 mg/m3 (Breath.)	0.025 mg/m3 (Resp)	N/E

Section IV: Chemical and Physical Characteristics

Bolling Point				
omig: one	N/A	Specific gravity (H ₂ O = 1)	N/S	
Vapor Pressure (mmHg)	N/A	Fusion Point	N/S	
Vapor Density (Aire = 1)	N/A	Evaporation rate (Butflacetate = 1)	N/A	

vvater Solubility;	Å	Appe	arance and odor:	-		
Dust	1		Gray			
Section V: Fire and Explosion	1 3					1
ash Point (Include method to determinate) N/A			Flamability	y limits	Lower N/A	Upper
ktinguish media					14/4	N/A
No risk of fire	A					
pecial procedures for firefighing						
No risk of fire	**************************************					
nusual and explosion hazards Not required						
Section VI: Reactivity						7
Unstable	N/A	Conditi	ons to avoid			}
Stable	Stable	N/A				
compatibility (Materials to avoid) N/A	34.			-		
zardous degradation products:						
Under normal conditions, this product does	not release mater	ials after a	polication			
Polimerization risk;	N/A		ons to avoid:		N/A	
Section VII: Health risks	######################################					
Exposure type:	Inhalation	Yes	Skin	Yeş	Ingestion	NQ
Ith risks (Acute and Chronic)	1		<u> </u>			
Acute: The overexposure to dust of the produ	uct may cause irri	itation of ey	es, skin and res	piratory tract.		
Chronic: The excesive inhalation of crystallin	e silica may caus	e silicosis.				alliante sente de sent Ar
The International Agency for Research on Cal form from occupational sources.	ncer concluded ti	nat there is	evidence of care	cinogenesis in p	persons by crystalline	e silica in quart
cer Rişk	NTP?	NO	IARC	NO	OSHA	NO
osure syntoms The excesive exposure to dust during applical espiratory tract.	tion without prop	er persona	protection equi	ipment, may cau	use irritation in the ev	es, skin and
ical conditions aggraviated by exposure		-			_	,
Vorkers with deficient respiratory capacity mu	st have limited ex	posure to t	his material.			
Section VIII: First Aid Measures						
rgency procedures and first aid ikin: wash with clean water and soap in the af chalation: Withdraw the affected person from espiration. Request medical attention immedia ngestion: Request medical attention immediat yes: Withdraw the person from the exposure afector lid, repeat several occasions. If Irritatio	exposure and mo ately. lely.	sudah asst-4				

Section IX: Procedures for Safe Use and Handling

Procedure in case of spills

Use the proper personal protection equipment. Do not dry sweep, proceed with recolection with a method that eliminates dust generation (which can be vaccum or wet methods).

Section X: Disposal Considerations

Disposal Method

Put the material in apropplate identified recipients and dispose according federal, state and local regulations.

Section XI: Handling and Storage

Handling and Storage Precautions

Operate in presence of a localized vaccum, using adequate protection tools. Avoid skin or eye contact, do not drink, eat or smoke while handling

Other precautions

Use gloves to handle

Section XII: Personal Protection Equipment

Respiratory protection (specify type):

Approved by NOISH for dust and mist

Ventilation:

Use proper ventilation to keep exposure under the recommended limits. Avoid Inhaling dust. The major probability of silica exposure occurs

Eyes

Use protection glasses or goggles. Do not use contact lense in the work area.

Use cotton gloves or leather to minimize skin exposure. Wash hands with water and soap before eating, drinking or smoking, and after the

Other cloaths or equipment

Note: The information of personal protection in this document is based on general information under normal conditions. In case of special or unusual conditions, it is suggested the assistance of a qualified security professional.

Section XIII: Regulations

SARA Report	0.0	
N/A	165	
(TSCA)		· ·
The components of this product have be	en introduced in the US commerc	ce and are listed in the TSCA (Toxic Bubstance Control Act) inventory.
Section XIV: Transportation	Sam.	
Transportation regulations (DOT)		
	ZARDOUS for terrestrial or areal to	ransportation, but due to the particle size of its components, dust