1. IDENTIFICATION OF THE PRODUCT		
Description of the Product:	Reconstructed Quartz Chipboard. QUARTZIA®	
Company Data:	Name: Address: Municipality: Telephone:	Levantina y Asociados de Minerales, S.A. Autovía Madrid-Alicante, s/n 03660 Novelda (Alicante) Spain +34 965 60 91 84

2. INFORMATION: DANGEROUS COMPONENTS			
Components:		% Weight	CAS
Organic Peroxide	Acetylacetone , butyl peroxybenzoate, tert	1.2% 0.3%	614-45-9 123-54-6
Activator	Cobalt Octoate, heavy fraction hydro sulfite	< 0.01% <0.01%	136-52-7 64742-82-1
Polyester Resin	Styrene 30-35%	6-8%	100-42-5
Silica-quartz	Silica crystallized, quartz	91-93%	14808-60-7

3. IDENTIFICATION OF DANGERS	
Physical-chemical Dangers	There are no notable dangers
Dangers for human health:	Unknown

4. FIRST AID MEASURES	
Inhalation:	There are no known dangers. See section 8 protection in the cutting.
Skin Contact:	There are no known dangers
Eye Contact:	See section 7 on Manipulation
Ingestion:	Request medical assistance.

Autovía Madrid-Alicante, s/n
03660 Novelda (Alicante) Spain
t +34 965 60 91 84
f +34 965 60 91 09
www.levantina.com

5. MEASURES ON FIRE FIGHTING	
Inflammability:	Difficult to inflame. ClassifiedA2fl
Special risks of exposure.	Without any danger of explosion. Level of opacity and toxicity of the smoke is practically zone. Classified s1.
Extinction Measures:	Use any appropriate measure for combustible materials that may be stored in that same area. Dry powder extinguishers without re-ignition are recommended (on the basis of baking soda and a anti-fire agent that impedes the sticking together of the powder by absorption of the humidity.
Firefighter Protection:	Normal firefighter protection equipment

6. ACCIDENTAL LIBERATION MEASURES
Not applicable

7. MANIPULATION AND WAREHOUSING	
Safe manipulation systems must be used, it thereby being the responsibility of the user to carry out an evaluation of risks in accordance with the Law on local prevention.	
Technical Measures:	The use of safety shoe coverings with a metal protective toe and protective gloves is recommended.
Warehousing Measures:	It is recommended that in the case of pallets to not pile up higher than one level. In the case of boards to not pile up on the same sawhorse more than 28 boards. Once the pallet protection is removed to avoid exposing it continuously to sun and rain.

Autovía Madrid-Alicante, s/n
03660 Novelda (Alicante) Spain
t +34 965 60 91 84
f +34 965 60 91 09
www.levantina.com

8. EXHIBITION CONTROL / PERSONAL PROTECTON	
Technical Controls and safe work systems with preference of using individual protection equipments (IPEs) such as gloves, glasses or anti-dust protector lenses, self-filtering mask.	
Protection in cutting	The use of a protective screen that covers neck and face or rather protective goggles with a reserve. Cut always applying abundant water reserve that help to capture the emitted dust. The installation of the inert dust extraction and portable extractors for the cutting of inferior rough edges.
Protection in board transportation	Working in cool zones outside areas of transit and duly indicated is recommended. When possible, mechanize the manipulation of heavy or complicated pieces.

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Solid
Color	According to product
Odor	Odorless
PH	Neutral
Boiling Point	Not applicable
Fusion Point	Not applicable
Inflammation Point	Classification A2fl
Explosive Properties	Not applicable
Comburent Properties	Not applicable
Steam Pressure	Not applicable
Relative Density	2.5g/cm3 (25ºC)
Solubility in Water	Insoluble
Solubility in Insolvents	Insoluble
Distribution Coefficient	Without available Data
Evaporation Velocity	Not applicable
Stem Density	Not applicable
To see the technical characteristics refer to the files on the technical characteristics available in the catalogue or consulting the web page **www.levantina.com**	

Autovía Madrid-Alicante, s/n
03660 Novelda (Alicante) Spain
t +34 965 60 91 84
f +34 965 60 91 09
www.levantina.com

10. STABILITY AND REACTIVITY	
Chemical Stability:	Stable under normal use conditions
Conditions that must be avoided:	Not applicable
Reactivity with other substances:	The alkali may chemically attack the material for which removing them and cleaning the effected zone is recommended. Idem for Iodhydric and Flourhydric acids.
Products of dangerous decomposition	None

11. TOXICOLOGICAL INFORMATION	
Toxicity:	Not classified as toxic
Skin sensitivity	No sensitivity
Specific Effects:	None
Chronic Effects	None

The user is responsible for evaluating the environmental exposure to the silica dust on the part of the workers effected in a manner that adequate protection measures are adopted.

The limited values established by the guide by the National Spanish Institute on Work Safety and Hygiene (I.N.S.H.T in Spanish) for the substances detected in the silica dust are:

VLA-ED= 10mg/m3

With VLA-ED being the average concentration considered in the time (C1/T1) for an 8 hour work day and a 40 hour work week to which all the workers repeatedly are exposed to day after day without adverse effect.

This fixed parameter establishes a ceiling that must not be surpassed at any time in the work day.

Autovía Madrid-Alicante, s/n
03660 Novelda (Alicante) Spain
t +34 965 60 91 84
f +34 965 60 91 09
www.levantina.com

12. ECOLOGICAL INFORMATION	
Eco-toxicity	It is meant that the product does not have negative effects on the environment.
Mobility:	The product is not volatile
Persistence/Degradability	Insoluble in water systems. Data unavailable on biodegradability.
Potential for bioaccumulation:	Without published data

13. CONSIDERATIONS RELATIVE TO ELIMINATION	
Elimination of Residues:	Discard them according to the national, regional or local law.
Residues:	Not classified as a dangerous residue.

14. TRANSPORT INFORMATION
The chipboard is not regulated by UN, IMDG, ADR, RID ICAO/IATA.

15. OTHER INFORMATION
This Safety Data file complements the technical information file for the use of our products but does not replace it. Although the information and recommendation included in this publication are offered in good faith, it will be the entire responsibility of the user to determine the precision and applicability of said information and recommendation as well as the suitability of the product for its own particular purpose. Nothing set forth here may be interpreted as a guarantee or implicit condition (legal or otherwise)

Past History: Printing Date May 16, 2005. Prior version June 2, 2004.

Quartzia®

Autovía Madrid-Alicante, s/n
03660 Novelda (Alicante) Spain
t +34 965 60 91 84
f +34 965 60 91 09
www.levantina.com

TECHNICAL DATA SHEET

QUARTZIA® by LEVANTINA

Property	Test Method	Unities	Typical Values				
			1	2	3	4	5
Fire reaction (Euroclasses)	EUROCLASSES UNE-EN-ISO 9239-1:2002 and ISO 1716:2002	EUROCLASES	A2fl s1	A2fl s1	A2fl s1	A2fl s1	A2fl s1
Coefficient of linear thermal expansion	UNE EN 14617-11 Agglomerated stone. Determination of coefficient of linear thermal expansion.	ºK-1	30-32 x 10-6	23-25 x 10-6	29-39 x 10-6	25-30 x 10-6	17-20 x 10-6
Flexural strength	UNE EN 14617-2 Agglomerated stone. Determination of flexural strength.	Mpa	30-35	50-57	45-60	40-45	52-58
Compressive strength	UNE EN 14617-2 Agglomerated stone. Determination of compressive	Mpa	250-280	150-200	250-280	150-200	190-220
Scratch resistance	EN 101: 1984. Ceramic tiles. Determination of scratch hardness of surface according to Mohs	Mohs	7	7	7	7	7
Impact resistance	UNE EN 14617-4 Agglomerated stone. Determination of impact resistance.	J	-	7-9	10-12	11-13	4-6
Slip resistance	EN 14231-2004	USRV	Polished: dry: 40-42 wet: 5-10				
Abrasion resistance	UNE EN 14617-4 Agglomerated stone. Determination of the abrasion resistance	mm	24-28	27-30	24-28	24-28	24-28
Water absorption	UNE EN 14617-1 Agglomerated stone. Determination of water absorption	%	0,02-0,021	0,025-0,035	0,035-0,038	0,035-0,04	0,02-0,021
Apparent density	UNE EN 14617-1 Agglomerated stone. Determination of water absorption	Kg/m^3	2350-2450				
Chemical resistance	UNE EN 14617-10 Agglomerated stone. Determination of chemical resistance	---	C4				C3

1. Midnigt Black, Touareg, Sirocco, Titanio
2. Orion
3. Mandarine, Snowfall, Arctic White, Dark Mahogany
4. White Sand
5. Tuscany Canyon, Sierra Beige, Kinghan Cinnamon, Burnt Sienna, Whitney Ridge, Mckinley Grey