

Distributed by:  
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# Sheet Material Safety Data



Product Name <b>FRIT 414</b>	Note: Do not leave fields blank. IF some point does not apply or is not specified, must be identified as follows: N / A: Not Applicable N / S: Not Specified
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## Section I: Identification of the Manufacturer

Name of Manufacturer <b>MACESA Fritas</b>	In an emergency call: <b>(01152) 81 24 81 99</b>
Address: <b>BOULEVARD DIAZ ORDAZ Km. 335.5 GARZA GARCIA, N.L. MEXICO CP 86230</b>	For Information call: <b>(01152) 81 24 82 34</b>
	Preparation date: <b>10/3/2011</b>
	Sign
Name of Supplier <b>Dal-tile México</b>	Telephone Number of Supplier: <b>(01152) 81 24 82 34 / 28</b>

## Section II: Hazardous Ingredients

Component Name	No. CAS	Concentration (%)	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	Other Limits Recommended
1 <b>Feldspar</b>	<b>N/E</b>	<b>35 - 40</b>	<b>N/E</b>	<b>N/E</b>	<b>N/E</b>
2 <b>Sodium tetraborate pentahydrate</b>	<b>N/E</b>	<b>20 - 25 %</b>	<b>N/E</b>	<b>N/E</b>	<b>N/E</b>
3 <b>Feldspar</b>	<b>N/E</b>	<b>10 - 20%</b>	<b>N/E</b>	<b>N/E</b>	<b>N/E</b>
4 <b>Silica</b>	<b>14808-60-7</b>	<b>15 -17 %</b>	<b>10 % / SiO2 +2</b>	<b>0.025</b>	<b>N/E</b>

## Section III: Physical and Chemical Characteristics

Boiling point	<b>N/A</b>	Specific Gravity (H2O = 1)	<b>N/E</b>
Vapor Pressure (mmHg)	<b>N/A</b>	Melting point	<b>N/E</b>
Vapor Density (Air = 1)	<b>N/A</b>	Evaporation Ratio (butylacetate = 1)	<b>N/A</b>
Water solubility: <b>Insoluble</b>	Appearance and Odor: <b>Powder, odorless. Color may vary.</b>		

## Section IV: Fire and Explosion

Flash Point (include method of determining) <b>N/A</b>	Flammability Limits	Inferior <b>N/A</b>	Superior <b>N/A</b>
Extinguishing Media <b>No danger of fire</b>			
Special procedures for fire fighting <b>No danger of fire</b>			
Unusual danger and explosion <b>Not required</b>			

O+D15

## Section V: Reactivity

Unstable	<b>N/A</b>	Conditions to avoid
Stable	<b>Stable</b>	<b>Avoid contact with acids (eg, acetic, hydrofluoric, etc.).</b>
Incompatibility (Materials to Avoid) <b>Avoid contact with acids (eg, acetic, hydrofluoric, etc.).</b>		
Hazardous Decomposition Products: <b>Under normal conditions, this product does not release after the application materials</b>		
Hazardous Polymerization:	<b>N/A</b>	Conditions to avoid <b>N/A</b>

## Section VI: Health Hazards

Route of Entry:	Inhalation	NO	Skin	SI	Ingestion	NO
Health Hazards (Acute and Chronic) <b>Acute: Improper handling of chips, without the appropriate PPE, can cause small lesions in contact with skin and eyes</b>						
<b>Chronic: Excessive inhalation of respirable crystalline silica can cause silicosis.</b>						
<b>The International Agency for Research on Cancer (IARC) concluded that there is evidence in humans for the carcinogenicity of crystalline silica in the forms of quartz from occupational sources.</b>						
Cancer risk	NTP?	<b><u>YES</u></b>	IARC Monograph	<b><u>YES</u></b>	OSHA Regulated	<b><u>YES</u></b>
Symptoms of Exposure <b>Excessive exposure to dust from the chip without the proper PPE, may irritate eyes, skin and respiratory tract</b>						
Medical conditions aggravated by exposure <b>Workers with poor respiratory capacity should have limited exposure to this material.</b>						
Emergency procedures and first aid. <b>Skin: Wash with soap and clean water to the affected area</b> <b>Inhalation: Remove the person from exposure, moving to a place with clean, fresh air, if breathing has stopped, provide artificial respiration.</b> <b>Ingestion: Get immediate medical attention</b> <b>Eyes: Remove the person from exposure and flush the eye with large amounts of clean water, lifting the upper eyelid and down the bottom</b>						

**Section VII: Procedures for safe handling and use**

Procedure in case of spills

**Use appropriate PPE. Do not dry sweep, proceed to your collection, with a practice that eliminates the generation of dust (which may include**

Disposal method

**Place material in suitable containers, identified and provided in accordance with federal, state and local**

Precautions for handling and storage

**NOT REQUIRED**

Other Precautions

**Use appropriate gloves to work with frit****Section VIII: Personal Protective Equipment**

Respiratory Protection (Specify Type):

**NOISH approved dust and mist**

Ventilation:

**Use adequate ventilation to maintain dust exposure below recommended limits. Avoid breathing dust. The greatest potential for exposure to**

Eyes:

**Use safety glasses or goggles. Do not use contact lenses in work areas.**

Skin:

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

Other clothing and equipment

**Note: Personal protection information indicated in this document is based on general information under normal conditions. Where special or****Section IX: Regulations**

SARA Report

**N/A**

Regulations for the Transportation (DOT)

**This material is considered as non-hazardous for ground transportation and / or Air**

(TSCA)

**The components of this product have been introduced in the U.S. trade and are listed in the inventory of TSCA (Toxic Substance Control Act)**