



MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

MARQUEE

Product code : All Colors

MSDS DATE : 4/20/2000

Supersededos : 8/9/1991

Hazard Rating		Scale
Toxicity	1	4=EXTREME
Fire	0	3=HIGH
Reactivity	0	2=MODERATE
Special	0	1=SLIGHT 0=INSIGNIFICANT

COMPONENT INFORMATION

No.

- 1 Portland Cement
(Type II, V, Block, Plastic, White, Oilwell)
- 2 Limestone.
- 3 Crystalline Quartz
- 4 Organics

CAS REG NO. AMT.(%)

65977-15-1
 1317-65-3
 14808-60-7 < 2% <30%

EMERGENCY RESPONSE INFORMATION

FIRST AID PROCEDURES

INHALATION

Move subject to fresh air-if irritation persists, get medical attention.

EYE CONTACT

Wash eyes immediately with running water for 15 minutes including under eyelids. Get prompt medical attention.

SKIN CONTACT

Wash skin thoroughly with soap and water, remove and wash contaminated clothing. If irritation persists consult physician.

INGESTION

Immediately dilute by drinking large amounts of milk or water. Consult a physician.

FIRE FIGHTING INFORMATION

UNUSUAL HAZARDS

None

EXTINGUISHING AGENTS

None applicable - as appropriate for surrounding combustibles.

PERSONAL PROTECTIVE EQUIPMENT

Use self-contained breathing apparatus and full protective gear as for surrounding fire.

SPILL OR LEAK HANDLING INFORMATION

PERSONAL PROTECTION

In dusty conditions, use NIOSH approved dust filter respirator; approved tight-fitting safety goggles; and gloves, long-sleeved shirt and long pants.

PROCEDURES

Use dry clean up methods that do not disperse the dust into the air.

CONTINUED



HAZARD INFORMATION

HEALTH EFFECTS FROM OVEREXPOSURE

PRIMARY ROUTES OF EXPOSURE

Inhalation. Skin Contact. Eye Contact.

INHALATION

Cement and aggregate dust can cause inflammation of the lining tissue of the interior of the nose and lungs.

EYE CONTACT

Material can cause the following: Abrasiveness may cause eye irritation. Cement mixed with water in the eye can cause alkali burns.

SKIN CONTACT

Prolonged or repeated skin contact can cause the following: Wet cement can dry and cause alkali burns. Hypersensitive individuals may develop an allergic dermatitis (skin rash) to dust.

INGESTION

Material is possibly harmful if swallowed. - due to high alkali content of material.

DELAYED EFFECTS

Crystalline quartz content of cement and aggregates may cause delayed lung injury.

FIRE AND EXPLOSIVE PROPERTIES

Flash Point	Not Applicable
Lower explosive limit	Not Applicable
Upper explosive limit	Not Applicable

REACTIVITY INFORMATION

INSTABILITY

This material is considered stable.

HAZARDOUS DECOMPOSITION PRODUCTS

There is no known hazardous decomposition products for this material.

HAZARDOUS POLYMERIZATION

Product will not undergo polymerization.

ACCIDENT PREVENTION INFORMATION

COMPONENT EXPOSURE INFORMATION

COMPONENT INFORMATION

<u>NO.</u>	<u>CAS REG NO.</u>	<u>AMT.(%)</u>
1. Portland Cement	65977-15-1	
2. Limestone	1317-65-3	} Total Quartz Content <30% < 2%
3. Crystalline Quartz	14808-60-7	
4. Organics	Trade Secret	

EXPOSURE LIMIT INFORMATION

<u>No.</u>		<u>UNITS</u>
1. TLV/TWA -	Respirable Dust -	5 mg/m ³
2. TLV/TWA -	Respirable Dust -	10 mg/m ³
3. TLV/TWA -	Respirable Dust -	0.1 mg/m ³
4. None		None

CONTINUED



PERSONAL PROTECTION MEASURES

RESPIRATORY PROTECTION

While dusty conditions are encountered, wear a MSHA/NIOSH approved (or equivalent) half-mask air purifying respirator.

EYE PROTECTION

Use chemical splash goggles (ANSI Z87, 1 or approved equivalent).

HAND PROTECTION

Cotton or canvas gloves.

FACILITY CONTROL MEASURES

VENTILATION

Use local exhaust ventilation. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

OTHER PROTECTIVE EQUIPMENT

Facilities storing or utilizing this material should be equipped with an eyewash facility.

STORAGE AND HANDLING INFORMATION

STORAGE CONDITIONS

Store dry at ambient temperature using good warehouse and production handling procedures.

HANDLING PROCEDURES

When handling and processing this material local exhaust ventilation may be required to control dust.

SUPPLEMENTAL INFORMATION

TYPICAL PHYSICAL PROPERTIES

Appearance	Free-flowing colored by pigments
Odor Characteristic	None
Vapor Pressure	N/A - (solid)
Melting point	No Data
Boiling point	N/A - (solid)
Solubility in water	Slight (0.1-1.0%)
Percent Volatility	0%
Evaporation rate (BAc = 1)	N/A - (solid)

TOXICITY

ACUTE DATA

Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung (silicosis). Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in certain occupations such as sandblasters. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death.

Carcinogenicity:

NTP? No

OSHA Regulated? Not as a carcinogen.

IARG Monographs? Yes

IARG Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans volume 42, 1987 concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans, IARC Class 2A.

WASTE DISPOSAL

PROCEDURE

Place in proper container for disposal at a landfill that complies with local, State and Federal regulations.

CONTINUED



Mortex Manufacturing Co., Inc.
1818 West Price Street
Tucson AZ 85705

PRODUCT: MARQUEE

DATE: 4/20/2000

REGULATORY INFORMATION

WORKPLACE CLASSIFICATIONS

Portland cement and other compounds are classified as nuisance dust by OSHA, MSHA and ACGIH. Portland cement and other compounds are NOT listed by NTP, IARC or OSHA as a carcinogen or potential carcinogen! However, it can contain detectable amounts of chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

TRANSPORTATION CLASSIFICATIONS

D.O.T. - Not Regulated

EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)

SECTION 311/312 CATEGORIZATIONS (40CFR 370)

This product is not subject to reporting requirement.

SECTION 313 INFORMATION (40CFR 372)

This product does not contain a chemical which is listed in Section 313 above. de minimus concentrations.

CERCLA INFORMATION (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

RCRA INFORMATION

When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

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