

# ATHLETIC FIELD MARKER

## MATERIAL SAFETY DATA SHEET

*QUICK IDENTIFIER (IN PLANT COMMON NAME)*

<b>ATHLETIC FIELD MARKER</b>	WARNING! CAUSES IRRITATION - Avoid contact with eyes. It can cause inflammation of the cornea. It can be moderately irritating to skin. Wash skin and clothing after handling. Avoid breathing dust. It contains a small amount of crystalline silica which has been determined by IARC and NTP to be a carcinogen. Use with adequate ventilation.
HEALTH	1*
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	E

### SECTION 1 - IDENTITY

Company: TEXAS INDUSTRIES, 1341 W. MOCKINGBIRD LANE, DALLAS, TEXAS 75247  
 Emergency Telephone Number: 972/647-6700  
 Person Responsible for Preparation: NANCY GARNETT  
 Date: FEBRUARY 1998  
 Common Name (used on label): ATHLETIC FIELD MARKER  
 Chemical Family: CALCIUM CARBONATE  
 Chemical Name: DOES NOT APPLY  
 Formula: A NATURALLY OCCURRING MINERAL SUBSTANCE CONSISTING PRIMARILY OF CALCIUM CARBONATE (CaCO<sub>3</sub>), USUALLY FOUND IN THE FORM OF CALCITE.  
 Trade Name & Synonyms: LIMESTONE, WHITING, CALCIUM CARBONATE

### SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Component	CAS #	% Typical	TLV (Units)	PEL (Units)
Limestone (Calcium Carbonate)	1317-65-3 (474-34-1)	90-99	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Magnesium Carbonate	546-93-0	0-5	10 mg/m <sup>3</sup> for total particulate	--
Quartz*	14808-60-7	5	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
Stearic Acid	57-11-4	unknown	--	--

Limestone is a naturally occurring mineral consisting primarily of calcium carbonate (90-99%) with lesser amounts of magnesium carbonate (1-5%) and silica (typically 5% for this product), also a naturally occurring mineral, together with many other ingredients present in small but varying amounts.

\* Only particle sizes of 10 micrometers or less are considered to be respirable (breathable) and of possible hazard if exposure occurs.

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).  
 TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists (ACGIH).

SECTION 3 - PHYSICAL DATA

Boiling Point Specific Gravity (H<sub>2</sub>O = 1)  
DOES NOT APPLY APPROXIMATELY 2.7

Vapor Pressure (mm = Hg) Percent Volatile by Volume  
DOES NOT APPLY 0%

Vapor Density (Air = 1) Evaporation Rate (n=Butyl Acetate)  
DOES NOT APPLY DOES NOT APPLY

Percent Soluble in Water Reactivity in Water  
SLIGHT (<0.1%) WILL NOT EVOLVE FLAMMABLE OR TOXIC GASES

Appearance and Odor  
WHITE POWDER WITH NEGLIGIBLE ODOR.

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point Flammable Limits in Air (% by Volume)  
WILL NOT IGNITE Lower: DOES NOT APPLY Upper: DOES NOT APPLY

Extinguishing Media Auto Ignition Temperature  
DOES NOT APPLY DOES NOT APPLY

Unusual Fire and Explosion Hazards  
NONE

Special Fire Fighting Procedures  
NONE

SECTION 5 - HEALTH INFORMATION

Signs and Symptoms of Exposure - *Acute Overexposure* - This is exposure of large amounts in a short period of time: IRRITATION AND/OR ABRASION OF SKIN, EYES, OR NASAL PASSAGES. INHALATION OF DUST MAY RESULT IN BLOCKAGE OF NASAL AND RESPIRATORY PASSAGES.

Signs and Symptoms of Exposure - *Chronic Overexposure* - This is exposure of small to moderate amounts over a long period of time: AS IS TRUE WITH ANY MINERAL PRODUCT, LONG TERM OVEREXPOSURE TO THIS DUST WITHOUT THE USE OF A DUST MASK MAY PRODUCE X-RAY EVIDENCE OF DUST IN THE LUNGS. CONTINUED LONG TERM OVEREXPOSURE MAY AFFECT RESPIRATORY FUNCTION IN SOME INDIVIDUALS LONG TERM EXPOSURE TO QUARTZ MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES INCLUDING LUNG CANCER OR PNEUMONOCONIOSIS AND SILICOSIS.

Medical Conditions Generally Aggravated by Exposure: RESPIRATORY (LUNG) DISORDERS OR DISEASES MAY BE AGGRAVATED BY EXPOSURE TO ANY DUST INCLUDING LIMESTONE. DERMATITIS OR OTHER SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

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Chemical/Component Listed as Carcinogen: QUARTZ

NTP: YES

IARC: YES

OSHA: NO

Other Exposure Limits

NONE

Emergency & First Aide Procedures for Indicated Routes of Entry:

INHALATION: REMOVE FROM EXPOSURE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CONSULT A PHYSICIAN.

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

SKIN CONTACT: WASH SKIN THOROUGHLY WITH SOAP AND WATER, AS CONTACT WITH SKIN CAN BE MODERATELY IRRITATING.

#### SECTION 6 - REACTIVITY DATA

Stability                      Conditions to Avoid  
STABLE                         DOES NOT APPLY

Incompatibility (Materials to Avoid)

MATERIAL IS ALKALINE. AS WITH ANY ALKALINE MATERIAL, CONTACT WITH STRONG ACIDS MAY PRODUCE A STRONG, EXOTHERMIC REACTION AND MAY EVOLVE TOXIC GASES OR VAPORS DEPENDING UPON THE ACID INVOLVED.

Hazardous Decomposition or Combustion Products

DOES NOT APPLY

Hazardous Polymerization

WILL NOT OCCUR

#### SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Leaked or Spilled

CLEAN-UP OF SPILL MAY REQUIRE PERSONAL PROTECTIVE EQUIPMENT TO PREVENT DUST EXPOSURES AND PROTECT AGAINST IRRITATION. SEE SECTION 8.

Waste Disposal Method

IF THIS MATERIAL, AS PROVIDED BY THE MANUFACTURER, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVERY ACT (40 CFR 261). DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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SECTION 8 - PERSONAL PROTECTION INFORMATION

Respiratory Protection

NIOSH/MSHA APPROVED DUST MASK OR RESPIRATOR FOR PROTECTION AGAINST NUISANCE DUSTS.

Ventilation

GENERAL OR LOCAL EXHAUST, SUCH AS A FAN, TO MAINTAIN EXPOSURE BELOW TLV/PEL.

Protective Gloves

RUBBER, PVC, NEOPRENE, OR OTHER IMPERVIOUS MATERIAL

Eye Protection

SAFETY GLASSES, GOGGLES, OR FACE SHIELD, WHEN NECESSARY TO PREVENT EYE CONTACT.

Other Protective Clothing or Equipment

ARM SLEEVES, WHEN NECESSARY TO PREVENT SKIN CONTACT.

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

SHOULD BE STORED IN A MANNER TO PREVENT CONTACT WITH STRONG ACIDS.

Other Precautions

NONE DETERMINED

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications which are not included within this document.