



TEICHERT AGGREGATES

MATERIAL SAFETY DATA SHEET

P.O. BOX 15002
SACRAMENTO, CALIFORNIA 95851

EFFECTIVE DATE: FEBRUARY 2004

I. IDENTIFICATION

PRODUCT NAME:	LIMESTONE		
CHEMICAL NAME:	CALCIUM CARBONATE, LIMEROCK, LIMESTONE	CHEMICAL FAMILY:	CARBONATE
FORMULA:	CaCO ₃	MOLECULAR WEIGHT:	N/A
SYNONYMS:	AGGREGATES, AGLIME, BARN LIME, FLEXIBLE BASE, MANUFACTURED SAND, STONE, LIME ROCK, RIPRAP BOULDERS.		
DEPARTMENT OF TRANSPORTATION	HAZARD CLASSIFICATION	N/A	
	SHIPPING NAME	N/A	
MANUFACTURER'S NAME	TEICHERT AGGREGATES		
ADDRESS:	P.O. BOX 15002, SACRAMENTO, CA 95851		
TELEPHONE NUMBER:	(916) 484-3011	DATE REVISED:	AUGUST 2003

II. PHYSICAL PROPERTIES

BOILING POINT, 760 mm. Hg	N/A	FREEZING POINT	N/A
SPECIFIC GRAVITY (H ₂ O = 1)	2.60 – 2.80	VAPOR PRESSURE	N/A
VAPOR DENSITY (air = 1)	N/A	SOLUBILITY IN WATER, % BY WT.	NEGLIGIBLE
APPEARANCE AND ODOR	VARIOUS COLORED ROCK; NO ODOR	MELTING POINT	DECOMPOSES AT 530° C

III. HAZARDOUS INGREDIENTS

MATERIAL	%	PEL	TLV	CAS NUMBER
CALCIUM CARBONATE/LIMEROCK	51-95	10 mg/m ³	10 mg/m ³	1317-65-3
META SEDIMENTARY ROCK	≤49	N/E	N/E	N/E
META VOLCANIC ROCK	≤49	N/E	N/E	N/E
MAY CONTAIN MINOR AMOUNTS OF CRYSTALLINE SILICA; COMPOSITION VARIES NATURALLY	<1	0.3 mg/m ^{3*} 0.1 mg/m ^{3**}	0.05 mg/m ^{3**}	14808-060-7

*TOTAL CRYSTALLINE SILICA (QUARTZ) **RESPIRABLE CRYSTALLINE SILICA (QUARTZ)

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method)	N/A				
FLAMMABLE LIMITS IN AIR, % by volume	N/A	LOWER	N/A	UPPER	N/A
EXTINGUISHING MEDIA	N/A				
SPECIAL FIRE FIGHTING PROCEDURES	N/A				
UNUSUAL FIRE AND EXPLOSION HAZARDS	CONTACT WITH POWERFUL OXIDIZING AGENTS MAY CAUSE FIRE AND/OR EXPLOSIONS (SEE SECTION VI OF THIS MSDS)				

EMERGENCY PHONE NUMBER

N/A = not applicable

(800) 287-7383

N/E = not established

V. HEALTH HAZARD DATA

EFFECTS OF ACUTE OVEREXPOSURE

SWALLOWING	MAY CAUSE GASTRO-INTESTINAL IRRITATION IF LARGE AMOUNTS INGESTED. EXPECTED TO BE PRACTICALLY NON-TOXIC
SKIN CONTACT	SKIN IRRITATION, MAY LEAD TO DERMATITIS
INHALATION	MAY CAUSE IRRITATION/INFLAMMATION OF RESPIRATORY TRACT; MAY CAUSE COUGHING AND SNEEZING.
EYE CONTACT	EYE IRRITATION, WITH DISCOMFORT OR PAIN, LOCAL REDNESS AND SWELLING OF THE CONJUNCTIVA.

EFFECTS OF REPEATED OVEREXPOSURE

MAY IRRITATE EYES, NOSE, THROAT, AND/OR LUNGS.

OTHER HEALTH HAZARDS

ANY PRE-EXISTING UPPER RESPIRATORY AILMENT CAN BE AGGRAVATED BY EXPOSURE TO NUISANCE DUST.

EMERGENCY AND FIRST AID PROCEDURES

SWALLOWING	IF PERSON IS CONSCIOUS, GIVE LARGE AMOUNTS OF WATER AND INDUCE VOMITING; HOWEVER NEVER ATTEMPT TO MAKE AN UNCONSCIOUS PERSON DRINK OR VOMIT. GET IMMEDIATE MEDICAL ATTENTION.
SKIN	WASH WITH SOAP AND WATER
INHALATION	PROVIDE ADEQUATE VENTILATION (FRESH AIR). IN CASE OF RESPIRATORY DIFFICULTY, OBTAIN IMMEDIATE MEDICAL ATTENTION.
EYES	FLUSH EYES WITH CLEAN WATER, FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION, IF NECESSARY.

VI. REACTIVITY DATA

STABILITY		CONDITION TO AVOID	AVOID CONTACT WITH INCOMPATIBLE MATERIALS (SEE BELOW).
UNSTABLE	STABLE		
	X		
INCOMPATIBILITY (materials to avoid)		MINERALS ACIDS, AMMONIUM SALTS, FLUORIDE, MERCURY, ALUMINUM SULFATE, MAGNESIUM MAY CAUSE FIRE AND/OR EXPLOSIONS. SILICA DISSOLVES READILY IN HYDROFLUORIC ACID PRODUCING A CORROSIVE GAS-SILICON TETRAFLUORIDE.	
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS		NONE UNDER NORMAL STORAGE CONDITIONS. LIMESTONE IGNITES ON CONTACT WITH FLUORINE AND IS INCOMPATIBLE WITH ACIDS, ALUM, AMMONIUM SALTS AND MAGNESIUM.	
HAZARDOUS POLYMERIZATION		CONDITION TO AVOID	NONE
May Occur	Will Not Occur		
	X		

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

SPILLED MATERIAL WHERE DUST CAN BE GENERATED MAY OVEREXPOSE CLEANUP PERSONNEL TO RESPIRABLE CRYSTALLINE SILICA-CONTAINING DUST. WETTING OF SPILLED MATERIAL AND/OR USE OF RESPIRATORY PROTECTION MAY BE NECESSARY. DO NOT SWEEP SPILLED MATERIAL. PREVENT SPILLED MATERIALS FROM INADVERTENTLY ENTERING STREAMS, DRAINS, OR SEWERS.

WASTE DISPOSAL METHOD

PICK UP AND REUSE CLEAN MATERIALS. PRODUCT IS NOT CLASSIFIED AS HAZARDOUS WASTE.

VIII. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION
(specific type)

FOR DUST LEVELS THAT EXCEED OR ARE LIKELY TO EXCEED THE TWA, USE A NIOSH APPROVED DUST RESPIRATOR. RESPIRATOR USE MUST COMPLY WITH APPLICABLE OSHA OR MSHA STANDARDS.

VENTILATION

LOCAL EXHAUST OR GENERAL VENTILATION ADEQUATE TO MAINTAIN EXPOSURES BELOW APPROPRIATE EXPOSURE LIMITS.

PROTECTIVE GLOVES

NOT REQUIRED

EYE PROTECTION

SAFETY GLASSES; GOGGLES SHOULD BE WORN WHEN VISIBLY DUSTY CONDITIONS ARE PRESENT OR ARE ANTICIPATED.

OTHER PROTECTIVE EQUIPMENT

NOT REQUIRED: WATER SPRAYS HELP CONTROL DUST.
WASH DUST OFF EXPOSED SKIN WITH SOAP AND WATER BEFORE EATING, DRINKING, OR SMOKING.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

NO SPECIAL REQUIREMENTS

OTHER PRECAUTIONS:

CONTACT WITH STRONG MINERAL ACIDS MAY RESULT IN DECOMPOSITION OF LIMESTONE WITH PRODUCTION OF CARBON DIOXIDE GAS. BREATHING HIGH CONCENTRATIONS OF CARBON DIOXIDE GAS MAY BE HARMFUL.

SUSPECTED CANCER AGENT? NO Federal OSHA NO NTP X IARC

NOTE:

- (1) IARC LISTS CRYSTALLINE SILICA AS A KNOWN HUMAN CARCINOGEN.
- (2) EXPOSURE TO AIRBORNE SILICA DUST DURING PRODUCT USE IS UNLIKELY.

PROP. 65 WARNING: CRUSHED LIMESTONE CONTAINS QUANTITIES OF FINE CRYSTALLINE SILICA. CRYSTALLINE SILICA (QUARTZ) DUST IS LISTED UNDER TITLE 22, SECTION 12000, AS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. ALWAYS FAMILIARIZE YOURSELF WITH THE HAZARDS OF THE MATERIALS AND EQUIPMENT YOU ARE USING AND FOLLOW THE PRECAUTIONS INDICATED ON PRODUCT LABELS, MATERIAL SAFETY DATA SHEETS AND YOUR HEALTH AND SAFETY TRAINING PROGRAM.

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