



# TEICHERT AGGREGATES

P.O. BOX 15002  
SACRAMENTO, CALIFORNIA 95851

# MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: FEBRUARY 2004

## I. IDENTIFICATION

|   |                            |
|---|----------------------------|
| PRODUCT NAME: SAND & GRAVEL                   |                            |
| CHEMICAL NAME: NATURAL SAND OR GRAVEL         |                            |
| SYNONYMS: CONSTRUCTION AGGREGATE, ROCK, STONE |                            |
| 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 DATA

|   |   |                               |     |
|---|---|-------------------------------|-----|
| BOILING POINT, 760 mm. Hg               | N/A   | FREEZING POINT                | N/A |
| SPECIFIC GRAVITY (H <sub>2</sub> O = 1) | 2.2 - 3.0   | VAPOR PRESSURE                | N/A |
| VAPOR DENSITY (air = 1)                 | N/A   | SOLUBILITY IN WATER, % BY WT. | NIL |
| APPEARANCE AND ODOR                     | PRODUCTS ARE A COMBINATION OF COMMON SAND, GRAVEL AND CRUSHED ROCK; SIZE OF PARTICLES VARIES ACCORDING TO PRODUCT; NO SIGNIFICANT ODOR. |                               |     |

## III. HAZARDOUS INGREDIENTS

| MATERIAL                          | %  | PEL   | TLV                       | CAS NUMBER  |
|-----------------------------------|----|---|---------------------------|-------------|
| QUARTZ* - NATURAL SAND AND GRAVEL | >1 | 0.1 mg/m <sup>3</sup> **<br>0.3 mg/m <sup>3</sup> *** | 0.05 mg/m <sup>3</sup> ** | 14808-060-7 |
| FELDSPAR                          |    | N/E   | N/E                       | N/E         |
| SILICATES                         |    | N/E   | N/E                       | N/E         |

\*QUARTZ IS A NATURALLY OCCURRING FORM OF CRYSTALLINE SILICA; COMPOSITION VARIES NATURALLY.

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

## IV. FIRE AND EXPLOSION HAZARD DATA

|                                      |  |     |       |     |
|--------------------------------------|--|-----|-------|-----|
| FLASH POINT (test method)            | N/A  |     |       |     |
| FLAMMABLE LIMITS IN AIR, % by volume | 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. |     |       |     |

## EMERGENCY PHONE NUMBER

N/A = not applicable

**(800) 287-7383**

N/E = not established

## V. HEALTH HAZARD DATA

### EFFECTS OF ACUTE OVEREXPOSURE

|              |   |
|--------------|---|
| SWALLOWING   | NO SIGNIFICANT HAZARD POSED.  |
| SKIN CONTACT | SHORT TERM IRRITATION.  |
| INHALATION   | INHALATION OF HIGH CONCENTRATIONS OF QUARTZ DUST CAN LEAD TO THE LUNG DISEASE KNOWN AS SILICOSIS, WITH COUGH AND SHORTNESS OF BREATH. |
| EYE CONTACT  | SHORT TERM IRRITATION.  |

### EFFECTS OF REPEATED OVEREXPOSURE

AIRBORNE PARTICLES CAN CAUSE EYE IRRITATION. INHALATION OF VERY HIGH LEVELS OF AIRBORNE DUST FOR SEVERAL WEEKS MAY PRODUCE COUGHING, FEVER, AND WEIGHT LOSS.

PROLONGED AND ROUTINE INHALATION OF QUARTZ DUST CAN LEAD TO DELAYED LUNG DISEASE KNOWN AS SILICOSIS. EARLY SYMPTOMS OF SILICOSIS INCLUDE COUGHING, WHEEZING, SHORTNESS OF BREATH. CHRONIC EXPOSURE MAY ALSO RESULT IN OTHER LUNG PROBLEMS SUCH AS CHRONIC OBSTRUCTIVE PULMONARY DISEASE.

IARC LISTS CRYSTALLINE SILICA AS A HUMAN CARCINOGEN.

**PROP 65 WARNING:** SAND AND GRAVEL 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.

### EMERGENCY AND FIRST AID PROCEDURES

|            |  |
|------------|--|
| SWALLOWING | SEEK MEDICAL ADVICE.   |
| SKIN       | NO HAZARD POSED - USE GOOD HYGIENE PRACTICES.  |
| INHALATION | MOVE TO FRESH AIR.   |
| EYES       | FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES UNTIL FREE OF PARTICLES. DO NOT RUB EYES. SEEK MEDICAL ATTENTION IF PARTICLES CANNOT BE READILY DISLODGED. |

## VI. REACTIVITY DATA

| STABILITY                                      |                | CONDITION TO AVOID   | AVOID CONTACT WITH INCOMPATIBLE MATERIALS. (SEE BELOW) |
|--|----------------|--|--|
| UNSTABLE                                       | STABLE         |  |  |
|  | X              |  |  |
| INCOMPATIBILITY (materials to avoid)           |                | CONTACT WITH POWERFUL OXIDIZING AGENTS SUCH AS FLUORINE MAY CAUSE FIRE AND/OR EXPLOSIONS. SILICA DISSOLVES READILY IN HYDROFLUORIC ACID PRODUCING A CORROSIVE GAS-SILICON TETRAFLUORIDE. |  |
| HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS |                | NONE   |  |
| 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 PRODUCT CAN SIMPLY BE COLLECTED FOR RE-USE OR DISPOSAL AS NON-HAZARDOUS WASTE. AVOID INHALATION OF DUST BY GOOD WORK PRACTICES OR THROUGH USE OF RESPIRATORY PROTECTION AS NECESSARY TO MAINTAIN EXPOSURE BELOW THE CAL/OSHA PERMISSIBLE EXPOSURE LIMIT (PEL). PREVENT SPILLED MATERIALS FROM ENTERING STREAMS, DRAINAGES, OR SEWERS. |
| WASTE DISPOSAL METHOD                                | PRODUCT IS NOT CLASSIFIED AS HAZARDOUS WASTE. PICKUP AND REUSE CLEAN MATERIALS.   |

## VIII. PERSONAL PROTECTION INFORMATION

|                            |   |
|----------------------------|---|
| RESPIRATORY PROTECTION     | IF DUST CONCENTRATIONS EXCEED THE CAL/OSHA PEL, WEAR NIOSH APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR THE CIRCUMSTANCES. |
| VENTILATION                | WHERE FEASIBLE, CONTROL AIRBORNE DUST LEVELS THROUGH GOOD WORK PRACTICES AND ADEQUATE VENTILATION.                            |
| PROTECTIVE GLOVES          | NOT REQUIRED.   |
| EYE PROTECTION             | AVOID EYE CONTACT. WEAR SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES, AS APPROPRIATE.  |
| OTHER PROTECTIVE EQUIPMENT | NOT REQUIRED.   |

## IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: NONE

## X. STORAGE AND HANDLING

THIS PRODUCT IS NOT INTENDED OR DESIGNED FOR USE AS AN ABRASIVE BLASTING MEDIUM OR FOR FOUNDRY APPLICATIONS AND SHOULD NOT BE USED FOR THESE PURPOSES.

FOLLOW THE PERSONAL PROTECTION INFORMATION AS SET FORTH IN SECTION VIII OF THIS MSDS WHEN HANDLING PRODUCT. RESPIRABLE CRYSTALLINE SILICA CONTAINING DUST MAY BE GENERATED DURING PROCESSING AND HANDLING.

DO NOT STORE NEAR FOOD, BEVERAGES, OR SMOKING MATERIALS.

NOTICE: Teichert Aggregates believes the information contained herein is accurate; however, Teichert Aggregates makes no guarantees with respect to such accuracy and assumes no liability in connection with the use of the information contained herein by any party. The provision of the information contained herein is not intended to be and should not be construed as legal advice or as ensuring compliance with any federal, state, or local laws and regulations. Any party using this product should review all such laws, rules, or regulations prior to use.

No warranty is made, expressed, or implied of merchantability, fitness for a particular purpose or otherwise.

REPLACES 2/94 MSDS

Revised 2/04