### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** OMEGABOND® 700 Chemical Set Cement  
**SUPPLIER:** OMEGA Engineering, Inc.  
**ADDRESS:** PO Box 4047, Stamford, CT 06907  
**TELEPHONE:** (203) 359-1660  
**ITEM NUMBER:** OB-700  
**ITEM DESCRIPTION:** Sealing Cement Powder  
**PRODUCT USE:** High temperature bonding/adhesive compounds

### SECTION 2. COMPOSITION AND DATA ON COMPONENTS WITH LIMITS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS #</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>% WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM SILICO FLUORIDE</td>
<td>16893-85-9</td>
<td>2.5 MG/M³</td>
<td>2.5 MG/M³</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>MAGNESIUM ALUMINUM SILICATE</td>
<td>12174-11-7</td>
<td>10 MG/M³ (TWA)</td>
<td>15 MG/M³ (STEL)</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>SODIUM DISILICATE</td>
<td>13870-28-5</td>
<td>NE (TWA)</td>
<td>NE (STEL)</td>
<td>&lt;30%</td>
</tr>
<tr>
<td>SILICA, CRYSTALLINE</td>
<td>14808-60-7</td>
<td>0.25 MG/M³ (TWA)</td>
<td>0.1 MG/M³ (STEL)</td>
<td>&lt;90%</td>
</tr>
</tbody>
</table>

**NOTES:** Exposure values shown for guidance only. Please follow applicable regulations.

### SECTION 3. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>HMIS rating</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>E</td>
</tr>
</tbody>
</table>

**CHRONIC EFFECTS:** The adverse health effects - silicosis, lung cancer, autoimmune and chronic kidney diseases, tuberculosis, and non-malignant respiratory diseases - are chronic effects.  
**LUNG CANCER:** Crystalline Silica (Quartz) inhaled from occupational sources is classified as carcinogenic to humans.  
**TUBERCULOSIS:** Silicosis increases the risk of tuberculosis.  
**AUTOIMMUNE AND CHRONIC KIDNEY DISEASES:** Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end stage kidney disease in workers exposed to respiratory crystalline silica.  
**NON-MALIGNANT RESPIRATORY DISEASES** (other than silicosis): Some studies show an increased incidence in chronic bronchitis and emphysema in workers exposed to respiratory crystalline silica.  

**THRESHOLD LIMIT VALUE:** SiO₂ - 0.1 mg/m³; F₂ - 2.5mg/m³  
**EFFECTS OF OVEREXPOSURE:** Since this product is a mixture, there is no exposure limit established for it. Hazardous components and their associated permissible exposure limits are listed in the section titled “Composition and Data on Components”. Specific health hazards from...
SECTION 3. HAZARDS IDENTIFICATION (CONT'D)

the various ingredients include relevant symptoms: irritation to eyes, nose, throat, respiratory system, and skin areas.

ACUTE: Inorganic fluorides are highly irritating and toxic. May cause irritation to respiratory tract, skin, and eyes. Large doses can cause nausea, vomiting, and diarrhea. Circulatory, respiratory complaints, and skin rash may occur. Respiratory diseases including asthma and emphysema may be aggravated.

CHRONIC: Exposure to fluorides over years may produce an embrittlement and densification of bones, and increase calcification of ligaments. Repeated inhalation of respirable free silica dust may cause delayed lung injury (silicosis).

SECTION 4. FIRST AID MEASURES

EYE CONTACT: Check for and remove all contact lenses. Flush eyes immediately with water or physiological saline for at least 15 minutes while lifting upper and lower lids. Do not use eye ointment. Seek medical attention.

INGESTION: Seek medical attention immediately. Give water to dilute. Do not induce vomiting unless directed by licensed medical personnel. Advise physician of possible fluoride exposure.

INHALATION: If difficulty breathing, move to fresh air at once. Apply artificial respiration if breathing has stopped. Seek medical attention.

SKIN CONTACT: Wash contact area thoroughly with soap and water. Remove contaminated clothing. Launder before reuse. Seek medical attention if erythema develops.

SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE: NA

EXPLOSION DATA - Not sensitive to mechanical impact or static discharge.

EXTINGUISHING MEDIA: NA

NOTE: Many dusts and aerosols may exhibit explosive characteristics if ignited by static discharge or spark. Exercise care to avoid causing dusting or misting operations such as grinding or drilling.

FIRE AND EXPLOSION HAZARDS: Emits fluoride fumes if heated to decomposition temperatures (932°F).

FIRE FIGHTING PROCEDURES: NA

FLAMMABILITY - Not flammable in presence of open flame, sparks, excessive heat and static discharge.

FLAMMABLE LIMITS LEL: NA

FLAMMABLE LIMITS UEL: NA

FLASHPOINT: NA

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP PROCEDURE: Sweep, scoop, or vacuum the discharged material. Respiratory protection should be worn at all times and skin contact should be avoided. Observe environmental regulations.

SECTION 14. TRANSPORT INFORMATION

Crystalline silica (quartz) is not a hazardous material for purposes of transportation under the U. S. Department of Transportation Table of Hazardous Materials, 49 CFR 172.101.

DOT I.D. NO.: NOT REGULATED

DOT SHIPPING NAME: NA

DOT HAZARD CLASS: NOT REGULATED

DOT LABEL: NONE

OTHER: NA

NMF CLASSIFICATION: High Temperature Bonding Mortar

SECTION 15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA Status: Components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None above detection limits.

Section 313 (40 CFR 370) Hazardous Categories: Carcinogen, Irritant

Section 311/312 (40 CFR 370) Toxic chemicals above “De Minimis” level are: There are no listed chemicals above detection limits in this compound.

CERCLA: The RQ for release of sodium silicofluoride is 1.000 pounds.

STATE REGULATIONS:

CALIFORNIA: Proposition 65 substances (components) known to the State of California to cause cancer and reproductive toxicity and subject to warning and discharge requirements under the “Safe Drinking Act of 1986”. It has not been determined and cannot be ascertained that this product would not expose users to the listed chemicals at the very low levels prescribed in the regulations. Therefore, it is the user's responsibility to determine if the percent of hazardous/carcinogenic ingredients listed elsewhere in the MSDS comply with State of California regulations.

CANADA: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.

DSL: Components included on inventory

WHMIS HAZARD CLASS (ES): Class D, Division 2, Subdivision A: Materials cause other toxic effects, very toxic material.

WHMIS TRADE SECRET REGISTRY NUMBER(S): Not Applicable

WHMIS SYMBOLS: Stylized T

EUROPEAN ECONOMIC COMMUNITY (EEC)

EINECS Inventory: Components included on inventory

ECC SYMBOL(S): Toxic, Irritant, Harmful

EINECS NO.: 238-878-4

IARC: Crystalline silica (quartz) is classified in IARC Group 1.

TSCA No.: Crystalline silica (quartz) appears on the EPA TSCA inventory under the CAS No. 14808-60-7

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR 261 et seq.

CERCLA: Crystalline silica (quartz) is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR 302.

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT (SARA Title II):

Crystalline silica (quartz) is not an extremely hazardous substance under section 302 and it is

2 of 8
C. Autoimmune Diseases: Several studies have reported excess cases of several autoimmune disorders - scleroderma, systemic lupus erythematosus, rheumatoid arthritis - among silica-exposed workers. For a review of the subject, the following may be consulted: “Occupational Exposure to Crystalline Silica and Autoimmune Disease”, Environmental Health Perspectives, Volume 107, Supplement 5, pp. 793-803 (1999); “Occupational Scleroderma”, Current Opinion in Rheumatology, Volume 11, pp. 490-494. (1999).


E. Kidney Disease: Several studies have reported excess cases of kidney diseases, including end stage renal disease, among silica-exposed workers. For additional information on the subject, the following may be consulted: "Kidney Disease and Silicosis", Nephron, Volume 85, pp. 14-19 (2000).

F. Non-Malignant Respiratory Diseases: The reader is referred to section 3.5 of the NIOSH special hazard review cited below, for information concerning the association between exposure to crystalline silica and chronic bronchitis, emphysema, and small airways disease. There are studies that disclose an association between dusts found in various mining operations and non-malignant respiratory diseases, particularly among smokers. It is unclear whether the observed associations exist only with underlying silicosis, only among smokers, or result from exposure to mineral dusts generally (independent of the presence or absence of crystalline silica, or the level of crystalline silica in dust).

SECTION 12. ECOLOGICAL INFORMATION

Crystalline silica (quartz) is not known to be an environmental hazard. Fluorides can be toxic to aquatic and terrestrial flora and fauna. Crystalline silica (quartz) is not known to be ecotoxic; i.e., there are no data that suggests that crystalline silica (quartz) is toxic to birds, fish, invertebrates, microorganisms or plants.

SECTION 13. DISPOSAL CONSIDERATIONS

GENERAL: The packaging and material may be landfilled; however, material should be covered to minimize generation of airborne dust.

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR 261 et seq.

WASTE DISPOSAL: Sweep up excess; flush area with large quantities of water. Material could be disposed of in approved landfill according to Federal, state, and local regulations.

EUROPEAN COMMUNITY WASTE DISPOSAL KEY: Not known

UNCLEANED PACKAGINGS: Disposal must be made according to official regulations.
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

% VOLATILE BY VOLUME: NA
APPEARANCE AND ODOR: Fine to coarse, whitish, free flowing, odorless powder
BOILING POINT: NA
COEFFICIENT OF WATER/OIL DISTRIBUTION: NA
EVAPORATION RATE: NA
ODOR THRESHOLD: Not available
pH: NA
SPECIFIC GRAVITY: 2.75
SOLUBILITY IN WATER: <5%
VAPOR DENSITY: NA
VAPOR PRESSURE: NA

SECTION 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen fluoride gas
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: NA
INCOMPATIBILITY: (Materials to avoid) strong acids and acid vapors
STABILITY: Stable under ordinary conditions of use and storage.

SECTION 11. TOXICOLOGICAL INFORMATION

SKIN IRRITANT: Yes
SKIN SENSITIZER: No
The method of exposure to crystalline silica that can lead to the adverse health effects described below is inhalation.

A. Silicosis: The major concern is silicosis caused by the inhalation and retention of respirable crystalline silica dust. Silicosis can exist in several forms, chronic (or ordinary), accelerated, or acute. Chronic or Ordinary Silicosis (Often referred to as Simple Silicosis) is the most common form of silicosis, and can occur after many years of exposure to relatively low levels of airborne respirable crystalline silica dust. It is further defined as either simple or complicated silicosis.

Simple silicosis is characterized by lung lesions (shown as radiographic opacities) less than 1 centimeter in diameter, primarily in the upper lung zones. Often, simple silicosis is not associated with symptoms, detectable changes in lung function or disability. Simple silicosis may be progressive and may develop into complicated silicosis or progressive massive fibrosis (PMF). Complicated silicosis or PMF is characterized by lung lesions (shown as radiographic opacities) greater than 1 centimeter in diameter. Although there may be no symptoms associated with complicated silicosis or PMF, the symptoms, if present, are shortness of breath, wheezing, cough, and sputum production. Complicated silicosis or PMF may be associated with decreased lung function and may be disabling. Advanced complicated silicosis or PMF may lead to death. Advanced complicated silicosis or PMF can result in heart disease secondary to the lung disease (cor pulmonale).

Accelerated Silicosis can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; the lung lesions can appear within five (5) years of initial exposure. Progression can be rapid. Accelerated silicosis is similar to chronic silicosis, except that lung lesions appear earlier and progression is more rapid. Acute Silicosis can occur with exposure to very high concentrations of respirable crystalline silica over a relatively short period; sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough, and weight loss. Acute silicosis is fatal.

B. Cancer:
IARC: The International Agency for Research and Cancer ("IARC") concluded that there was “sufficient evidence in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite from occupational sources” and that there is “sufficient evidence in experimental animals for the carcinogenicity of quartz cristobalite.” The overall IARC evaluation was that “crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)”. The IRAC evaluation noted that “carcinogenicity was not detected in all industrial circumstances studies. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.” For further information on the IARC evaluation, see IARC Monographs on the Evaluation of Carcinogenic Risk to Humans, Volume 88, “Silica, Some Silicates…” (1997).

NTP: The National Toxicology Program, in its Ninth Annual Report on Carcinogens, classified “silica, crystalline (respirable)” as a known human carcinogen.

OSHA: Crystalline Silica (Quartz) is not regulated by the US Occupational Safety and Health Administration as a carcinogen.
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

% VOLATILE BY VOLUME: NA
APPEARANCE AND ODOR: Fine to coarse, whitish, free flowing, odorless powder
BOILING POINT: NA
COEFFICIENT OF WATER/OIL DISTRIBUTION: NA
EVAPORATION RATE: NA
ODOR THRESHOLD: Not available
pH: NA
SPECIFIC GRAVITY: 2.75
SOLUBILITY IN WATER: <5%
VAPOR DENSITY: NA
VAPOR PRESSURE: NA

SECTION 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen fluoride gas
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: NA
INCOMPATIBILITY: (Materials to avoid) strong acids and acid vapors
STABILITY: Stable under ordinary conditions of use and storage.

SECTION 11. TOXICOLOGICAL INFORMATION

SKIN IRритANT: Yes
SKIN SENSITIZER: No

The method of exposure to crystalline silica that can lead to the adverse health effects described below is inhalation.

A. Silicosis: The major concern is silicosis caused by the inhalation and retention of respirable crystalline silica dust. Silicosis can exist in several forms, chronic (or ordinary), accelerated, or acute. Chronic or Ordinary Silicosis (often referred to as Simple Silicosis) is the most common form of silicosis, and can occur after many years of exposure to relatively low levels of airborne respirable crystalline silica dust. It is further defined as either simple or complicated silicosis.

Simple silicosis is characterized by lung lesions (shown as radiographic opacities) less than 1 centimeter in diameter, primarily in the upper lung zones. Often, simple silicosis is not associated with symptoms, detectable changes in lung function or disability. Simple silicosis may be progressive and may develop into complicated silicosis or progressive massive fibrosis (PMF). Complicated silicosis or PMF is characterized by lung lesions (shown as radiographic opacities) greater than 1 centimeter in diameter. Although there may be no symptoms associated with complicated silicosis or PMF, the symptoms, if present, are shortness of breath, wheezing, cough, and sputum production. Complicated silicosis or PMF may be associated with decreased lung function and may be disabling. Advanced complicated silicosis or PMF may lead to death. Advanced complicated silicosis or PMF can result in heart disease secondary to the lung disease (cor pumonale).

Accelerated Silicosis can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; the lung lesions can appear within five (5) years of initial exposure. Progression can be rapid. Accelerated silicosis is similar to chronic silicosis, except that lung lesions appear earlier and progression is more rapid.

Acute Silicosis can occur with exposure to very high concentrations of respirable crystalline silica over a relatively short period; sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough, and weight loss. Acute silicosis is fatal.

B. Cancer:
IARC: The International Agency for Research and Cancer (“IARC”) concluded that there was “sufficient evidence in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite from occupational sources” and that there is “sufficient evidence in experimental animals for the carcinogenicity of quartz cristobalite.” The overall IARC evaluation was that “crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)”. The IRAC evaluation noted that “carcinogenicity was not detected in all industrial circumstances studies. Carcinogenicity may be dependant on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.” For further information on the IARC evaluation, see IARC Monographs on the Evaluation of Carcinogenic Risk to Humans, Volume 88, “Silica, Some Silicates…” (1997).

NTP: The National Toxicology Program, in its Ninth Annual Report on Carcinogens, classified “silica, crystalline (respirable)” as a known human carcinogen.

OSHA: Crystalline Silica (Quartz) is not regulated by the US Occupational Safety and Health Administration as a carcinogen.
C. Autoimmune Diseases: Several studies have reported excess cases of several autoimmune disorders - scleroderma, systemic lupus erythematosus, rheumatoid arthritis - among silica-exposed workers. For a review of the subject, the following may be consulted: “Occupational Exposure to Crystalline Silica and Autoimmune Disease”, Environmental Health Perspectives, Volume 107, Supplement 5, pp. 793-803 (1999); “Occupational Scleroderma”, Current Opinion in Rheumatology, Volume 11, pp. 490-494. (1999).


E. Kidney Disease: Several studies have reported excess cases of kidney diseases, including end stage renal disease, among silica-exposed workers. For additional information on the subject, the following may be consulted: “Kidney Disease and Silicosis”, Nephron, Volume 85, pp. 14-19 (2000).

F. Non-Malignant Respiratory Diseases: The reader is referred to section 3.5 of the NIOSH special hazard review cited below, for information concerning the association between exposure to crystalline silica and chronic bronchitis, emphysema, and small airways disease. There are studies that disclose an association between dusts found in various mining operations and non-malignant respiratory diseases, particularly among smokers. It is unclear whether the observed associations exist only with underlying silicosis, only among smokers, or result from exposure to mineral dusts generally (independent of the presence or absence of crystalline silica, or the level of crystalline silica in dust).

SECTION 12. ECOLOGICAL INFORMATION

Crystalline silica (quartz) is not known to be an environmental hazard. Fluorides can be toxic to aquatic and terrestrial flora and fauna. Crystalline silica (quartz) is not known to be ecotoxic; i.e., there are no data that suggests that crystalline silica (quartz) is toxic to birds, fish, invertebrates, microorganisms or plants.

SECTION 13. DISPOSAL CONSIDERATIONS

GENERAL: The packaging and material may be landfilled; however, material should be covered to minimize generation of airborne dust.

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR 261 et seq.

WASTE DISPOSAL: Sweep up excess; flush area with large quantities of water. Material could be disposed of in approved landfill according to Federal, state, and local regulations.

EUROPEAN COMMUNITY WASTE DISPOSAL KEY: Not known

UNCLEANED PACKAGINGS: Disposal must be made according to official regulations.
SECTION 3. HAZARDS IDENTIFICATION (CONT’D)

the various ingredients include relevant symptoms: irritation to eyes, nose, throat, respiratory system, and skin areas.

ACUTE: Inorganic fluorides are highly irritating and toxic. May cause irritation to respiratory tract, skin, and eyes. Large doses can cause nausea, vomiting, and diarrhea. Circulatory, respiratory complaints, and skin rashes may occur. Respiratory diseases including asthma and emphysema may be aggravated.

CHRONIC: Exposure to fluorides over years may produce an embrittlement and densification of bones, and increase calcification of ligaments. Repeated inhalation of respirable free silica dust may cause delayed lung injury (silicosis).

SECTION 4. FIRST AID MEASURES

EYE CONTACT: Check for and remove all contact lenses. Flush eyes immediately with water or physiological saline for at least 15 minutes while lifting upper and lower lids. Do not use eye ointment. Seek medical attention.

INGESTION: Seek medical attention immediately. Give water to dilute. Do not induce vomiting unless directed by licensed medical personnel. Advise physician of possible fluoride exposure.

INHALATION: If difficulty breathing, move to fresh air at once. Apply artificial respiration if breathing has stopped. Seek medical attention.

SKIN CONTACT: Wash contact area thoroughly with soap and water. Remove contaminated clothing. Launder before reuse. Seek medical attention if erythema develops.

SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE: NA

EXPLOSION DATA - Not sensitive to mechanical impact or static discharge.

EXTINGUISHING MEDIA: NA

NOTE: Many dusts and aerosols may exhibit explosive characteristics if ignited by static discharge or spark. Exercise care to avoid causing dusting or misting operations such as grinding or drilling.

FIRE AND EXPLOSION HAZARDS: Emits fluoride fumes if heated to decomposition temperatures (932°F).

FIRE FIGHTING PROCEDURES: NA

FLAMMABILITY - Not flammable in presence of open flame, sparks, excessive heat and static discharge.

FLAMMABLE LIMITS LEL: NA

FLAMMABLE LIMITS UEL: NA

FLASHPOINT: NA

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP PROCEDURE: Sweep, scoop, or vacuum the discharged material. Respiratory protection should be worn at all times and skin contact should be avoided. Observe environmental regulations.

SECTION 14. TRANSPORT INFORMATION

Crystalline silica (quartz) is not a hazardous material for purposes of transportation under the U. S. Department of Transportation Table of Hazardous Materials, 49 CFR 172.101.

DOT I.D. NO.: NOT REGULATED

DOT SHIPPING NAME: NA

DOT HAZARD CLASS: NOT REGULATED

DOT LABEL: NONE

OTHER: NA

NMF CLASSIFICATION: High Temperature Bonding Mortar

SECTION 15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA Status: Components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None above detection limits.

Section 313/312 (40 CFR 370) Hazardous Categories: Carcinogen, Irritant

Section 313: Toxic Categories (40 CFR 370) Toxic chemicals above “De Minimis” level are: There are no listed chemicals above detection limits in this compound.

CERCLA: The RQ for release of sodium silicofluoride is 1,000 pounds.

STATE REGULATIONS:

CALIFORNIA: Proposition 65 substances (components) known to the State of California to cause cancer and reproductive toxicity and subject to warning and discharge requirements under the “Safe Drinking Act of 1986”. It has not been determined and cannot be ascertained that this product would not expose users to the listed chemicals at the very low levels prescribed in the regulations. Therefore, it is the user’s responsibility to determine if the percent of hazardous/carcinogenic ingredients listed elsewhere in the MSDS comply with State of California regulations.

CANADA: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.

DSL: Components included on inventory

WHMIS HAZARD CLASS (ES): Class D, Division 2, Subdivision A: Materials cause other toxic effects, very toxic material.

WHMIS TRADE SECRET REGISTRY NUMBER(S): Not Applicable

WHMIS SYMBOLS: Stylized T

EUROPEAN ECONOMIC COMMUNITY (EEC)

EINECS Inventory: Components included on inventory

ECC SYMBOL(S): Toxic, Irritant, Harmful

EINECS NO.: 238-878-4

IARC: Crystalline silica (quartz) is classified in IARC Group 1.

TSCA No.: Crystalline silica (quartz) appears on the EPA TSCA inventory under the CAS No. 14808-60-7

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR 261 et seq.

CERCLA: Crystalline silica (quartz) is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR 302.

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT (SARA Title II):

Crystalline silica (quartz) is not an extremely hazardous substance under section 302 and it is...
SECTION 15. REGULATORY INFORMATION (CONT'D)

not a toxic chemical subject to the requirements of section 313.  
CLEAN AIR ACT: Crystalline silica (quartz) used by Omega Engineering Inc. is not processed with or does not contain any Class I or Class II ozone depleting substances.  
FDA: Silica is included in the list of substances that may include in coatings used in food contact surfaces, 21 CFR 175.300(b) (3) (xxvi).  
NTP: Respirable crystalline silica, primarily quartz ducts occurring in industrial and occupational settings, is classified as known to be a human carcinogen.  
OSHA CARCINOGEN: Crystalline silica (quartz) is not listed  
CALIFORNIA PROPERSTITON 65: WARNING: This product contains a chemical, crystalline silica, known to the state of California and other states and regional authorities to cause cancer.  
CALIFORNIA INHALATION REFERENCE EXPOSURE LEVEL (REL): California established a chronic REL of 3 ug for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no adverse health effects are anticipated in individuals indefinitely exposed to the substance at that level.  
MASSACHUSETTS TOXIC USE REDUCTION ACT: Silica, Crystalline (respirable size, <10 microns) is toxic for purposes of the Massachusetts Toxic Use Reduction Act.  
Pennsylvania Worker and Community Right to Know Act: Quartz is a hazardous substance under the act, but is not a special hazardous substance or an environment hazardous substance.  
EEC RISK® PHRASES: R36/37/38 Irritating to eyes, respiratory system, and skin. R40 Limited evidence of a carcinogenic effect. R48/20 Harmful: Danger of serious damage to health by prolonged exposure through inhalation.  
HARMFUL: Danger of serious damage to health by prolonged exposure  
EEC SAFETY PHRASES: S22 Do not breathe dust. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves, and eye and face protection. S38 In case of insufficient ventilation, wear suitable respiratory equipment.  

SECTION 16. OTHER INFORMATION

This MSDS contains information and recommendations based upon our present knowledge and data believed to be reliable. All data shown here are subject to reasonable variation and are supplied as an accommodation to the buyer. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This MSDS applies only to the product in its “as manufactured” state, since the application to which the product is subjected may change its characteristics. The buyer is responsible for determining the safety, toxicity, and suitability of the product under the conditions of their use of the product. Buyers also have the responsibility for insuring that the MSDS is available to their employees, product users, and handlers.  
NAV = Not Available  NE = Not Established  NA = Not Applicable  ND = Not Determined  EV = Under Evaluation  
The information contained herein is based upon data considered true and accurate. However, OMEGA makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for the user's consideration, investigation and verification. Since the use and conditions of use of this information and the material described herein are not within the control of OMEGA, OMEGA assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to OMEGA's Terms and Conditions of Sale, including those limiting warranties and remedies contained herein, it is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.