SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Protect-3000 Series Aggregate (Silica Sand Blends)

MANUFACTURER: Protective Industrial Polymers
ADDRESS: 7875 Bliss Parkway North Ridgeville, Ohio 44039

EMERGENCY PHONE: CHEMTREC PHONE: 800-424-9300  (outside USA) 703-527-3887
OTHER CALLS: 440-327-0015

PRODUCT USE: Industrial Use Only
PREPARED BY: MEY

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>% WT</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>100</td>
<td>Silica, Crystalline</td>
</tr>
</tbody>
</table>

SECTION 3: HAZARDS IDENTIFICATION

HAZARD DESIGNATION
"Xi" - Irritant
R48/20: Harmful : danger of serious damage to health by prolonged exposure through inhalation.

EMERGENCY OVERVIEW
PHYSICAL APPEARANCE: White or Tan Sand.
IMMEDIATE CONCERNS: USE WITH CAUTION! This product may cause eye, skin, and respiratory tract irritation. Aggregate particles can cause eye and skin abrasions. A single exposure will not result in serious adverse health effects. Crystalline silica (quartz) is not known to be an environmental hazard. Crystalline silica (quartz) is incompatible with hydrofluoric acid, fluorine, chlorine trifluoride or oxygen difluoride.

POTENTIAL HEALTH EFFECTS
EYES: May cause abrasion to the cornea.
SKIN: May cause skin irritation.
INGESTION: Ingestion is not expected to be a significant route into the body.
INHALATION: Chronic inhalation of respirable crystalline silica may cause silicosis; a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica inhaled from occupational sources is classified as carcinogenic to humans. There is some evidence that inhalation of respirable crystalline silica or silicosis is associated with an increase of scleroderma (an immune system disorder manifested by fibrosis of the lungs, skin, and other internal organs), and kidney disease. Silicosis is also reported to increase the risk of tuberculosis. Generally, there are no signs or symptoms of exposure to crystalline silica. The condition of individuals with lung disease (e.g. bronchitis, emphysema, chronic obstructive pulmonary disease) can be aggravated by exposure.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush with plenty of water for two minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Have eyes examined and tested by medical personnel.
SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: May cause gastrointestinal discomfort. Give one or two glasses of water. If discomfort persists, see a physician.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable
EXTINGUISHING MEDIA: Non-combustible. May be used to extinguish fires.
FIRE FIGHTING PROCEDURES: This material can be used to extinguish fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Vacuum or sweep up material and place in a disposal container.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid all sources of ignition: heat, sparks, and open flames.
OTHER PRECAUTIONS: For Industrial Use Only. Keep container tightly closed when not in use.
SECTION 7 NOTES: Keep container tightly closed and dry; store in a cool place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Proper industrial hygiene practices are required for workers and should be achieved through engineering controls including ventilation with a high turn over rate whenever feasible. When such controls are not available or not feasible to achieve full protection, respirators for workers (and others in the area) and other personal protective equipment is mandated. Exhaust air may need to be scrubbed (cleaned) or filtered to reduce environmental contamination and odors.
PERSONAL PROTECTIVE EQUIPMENT
EYES AND FACE: Wear safety goggles or safety glasses with side shields when handling and mixing this material.
SKIN: Not normally required.

RESPIRATORY: For respirator selection and training, seek professional advice. Whenever workplace conditions require a use of a respirator, follow a respiratory protection program that meets OSHA (29CFR 1910.134), MSHA (30 CFR Parts 56 & 57) and ANSI (Z88.2) requirements. Wear an OSHA/NIOSH approved respirator selected on its suitability to provide adequate worker protection for respirable particulates based on airborne workplace concentrations and duration of exposure arising from intended end use.

OTHER USE PRECAUTIONS: Avoid generating dust.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
ODOR: Odorless
APPEARANCE: White or Tan
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 2.650 g/cm³

SECTION 10: STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
STABILITY: This material (product) is stable under normal ambient conditions of temperature and pressure. Follow recommendations for proper storage and use.
CONDITIONS TO AVOID: Contact with water or moisture.
HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

SECTION 11: Toxicological Information

CARCINOGENICITY
IARC: The agent (mixture) is possibly carcinogenic to humans. The exposure circumstance entails exposures that are possibly carcinogenic to humans: Crystalline Silica.
NTP: The National Toxicology Program (NTP), in its Ninth Annual Report on Carcinogens, classified "silica, crystalline (respirable)" and a known human carcinogen.
OSHA: Crystalline silica (quartz) is not regulated as a human carcinogen by OSHA as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No environmental data has been established or is available for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: May be landfilled according to local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Not Regulated
AIR (ICAO/IATA)
SHIPPING NAME: Not Regulated
VESSEL (IMO/IMDG)
SHIPPING NAME: Not Regulated
CANADA TRANSPORT OF DANGEROUS GOODS
SHIPPING NAME: Not Regulated

SECTION 15: REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes
TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA STATUS: All ingredients in this mixture are listed with the TSCA Chemical Substance Inventory.
MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT : Protect-3000 Series Aggregate

CALIFORNIA PROPOSITION 65: Component(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the “Safe Drinking Water and Toxic Enforcement Act of 1986”: Crystalline Silica.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): This product or its components are listed or exempt from the Canadian Domestic Substance List (DSL). Components not listed have been submitted to Environment Canada.

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION

"Xi" - Irritant
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
S22: Do not breathe dust.
S36/39: Wear suitable protective clothing and eye/face protection.

INTERNATIONAL REGULATIONS: EINECS Inventory Status: The components in this product are listed on or exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substance (ELINCS).

Australian Inventory Status: The components in this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: This MSDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200, 91/155/EEC and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the MSDS in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Responsibility for the product sold is subject to our standard terms and conditions, a copy of which is available upon request. This company warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, No guaranty, warranty, or representation is made, intended, or implied as to the correctness, or sufficiency of any information, or as to the merchantability or suitability or fitness of any chemical compounds or other products for any use thereof and are not subject to a claim by a third party for infringement of any patent or other intellectual property right. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. Liability by this company for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with the proper standards. Toxicity and risk characteristics of chemical compounds of products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.