Ingestion Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Never

give anything by mouth to an unconscious person. If ingestion of a large amount does occur, call

a poison control center immediately. Get medical attention if any discomfort occurs.

Treat symptomatically. Notes to physician

General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to

Foam. Carbon dioxide (CO2). Dry powder. Water fog.

protect themselves.

5. Fire Fighting Measures

Flammable properties High concentrations of dust may form explosive mixture with air.

Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

None known

Protection of firefighters

Specific hazards arising from the chemical

Protective equipment and precautions for firefighters

Fire fighting equipment/instructions Specific methods

During fire, gases hazardous to health may be formed. High concentrations of dust may form explosive mixture with air.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

Move containers from fire area if you can do it without risk. Cool containers with flooding

quantities of water until well after fire is out.

Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Wear

suitable protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.

**Environmental precautions** 

Methods for containment

Avoid discharge into drains, water courses or onto the ground. Collect spillage. If sweeping of a contaminated area is necessary use a dust suppressant agent

which does not react with the product.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Collect Methods for cleaning up

dust using a vacuum cleaner equipped with HEPA filter. If not possible, moisten dust with water

before it is collected with shovel, broom or the like. Avoid dust formation.

Clean up in accordance with all applicable regulations. Other information

## 7. Handling and Storage

Handling

Provide adequate ventilation. Keep away from heat, sparks and open flame. Avoid inhalation of dust and contact with skin and eyes. Avoid breathing fumes if this product is used at high temperatures. Use only with adequate ventilation. Dust clouds may be explosive under certain conditions. Take precautionary measures against static discharges when there is a risk of dust explosion. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Wear appropriate personal protective equipment. Change contaminated clothing. Wash contaminated clothing before reuse. Observe

good industrial hygiene practices.

Keep container tightly closed and in a well-ventilated place. Keep away from heat, sparks and Storage

open flame.

## 8. Exposure Controls / Personal Protection

Occupational exposure limits

Synthetic Graphite

ACGI H: 5 mg/m3 TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica) Synthetic Barium Sulfate

OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) Powder Aluminum Oxide OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

ACGIH: 2 mg/m3 TWA (all forms except graphite fibers, respirable fraction)

OSHA: 15 mg/m3 TWA (synthetic, total dust); 5 mg/m3 TWA (synthetic, respirable fraction)

Calcium Carbonate ACGIH: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

ACGIH: 5 mg/m3 TWA Calcium Hydroxide

OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) **Engineering controls** 

Ventilate as needed to control airborne dust. Use explosion-proof ventilation equipment if airborne

dust levels are high.

Personal protective equipment

Eye / face protection Wear dust-resistant safety goggles where there is danger of eye contact.

Skin protection Wear protective gloves. Rubber gloves are recommended. Wear appropriate chemical resistant

clothing to prevent any possibility of skin contact.

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment Respiratory protection

with particle filter.

2/5