POTENTIAL HAZARDS

FIRE OR EXPLOSION
- Some may burn but none ignite readily.
- Containers may explode when heated.
- Some may be transported hot.
- For UN3508, Capacitor, asymmetric, be aware of possible short circuiting as this product is transported in a charged state.
- Polymeric beads, expandable (UN2211) may evolve flammable vapours.

HEALTH
- Inhalation of material may be harmful.
- Contact may cause burns to skin and eyes.
- Inhalation of Asbestos dust may have a damaging effect on the lungs.
- Fire may produce irritating, corrosive and/or toxic gases.
- Some liquids produce vapors that may cause dizziness or asphyxiation.
- Runoff from fire control or dilution water may cause environmental contamination.

PUBLIC SAFETY
- CALL 911. Then call emergency response telephone number on shipping paper. If shipping paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.

PROTECTIVE CLOTHING
- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters’ protective clothing provides thermal protection but only limited chemical protection.

EVACUATION
Immediate precautionary measure
- Isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.

Spill
- For highlighted materials: see Table 1 - Initial Isolation and Protective Action Distances.
- For non-highlighted materials: increase the immediate precautionary measure distance, in the downwind direction, as necessary.

Fire
- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.
**EMERGENCY RESPONSE**

**FIRE**

Small Fire  
- Dry chemical, CO₂, water spray or regular foam.

Large Fire  
- Water spray, fog or regular foam.  
- Do not scatter spilled material with high-pressure water streams.  
- If it can be done safely, move undamaged containers away from the area around the fire.  
- Dike runoff from fire control for later disposal.

Fire Involving Tanks  
- Cool containers with flooding quantities of water until well after fire is out.  
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.  
- ALWAYS stay away from tanks engulfed in fire.

**SPILL OR LEAK**

- Do not touch or walk through spilled material.  
- Stop leak if you can do it without risk.  
- Prevent dust cloud.  
- For Asbestos, avoid inhalation of dust. Cover spill with plastic sheet or tarp to minimize spreading. Do not clean up or dispose of, except under supervision of a specialist.

Small Dry Spill  
- With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Spill  
- Pick up with sand or other non-combustible absorbent material and place into containers for later disposal.

Large Spill  
- Dike far ahead of liquid spill for later disposal.  
- Cover powder spill with plastic sheet or tarp to minimize spreading.  
- Prevent entry into waterways, sewers, basements or confined areas.

**FIRST AID**

- Call 911 or emergency medical service.  
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.  
- Move victim to fresh air if it can be done safely.  
- Give artificial respiration if victim is not breathing.  
- Administer oxygen if breathing is difficult.  
- Remove and isolate contaminated clothing and shoes.  
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.