Honeywell

"NAK" SAFETY PRECAUTIONS

The following are precautions for handling a V4034, V6034, or V9034 Honeywell actuator. These actuators have sealed within them the hazardous substance, "NaK" liquid alloy.

-----------------------------------------------
Material Identification
-----------------------------------------------

- MATERIAL NAME: Sodium-Potassium Alloy ("NaK" Alloy)
- DESCRIPTION: An alloy of sodium and potassium metals which is liquid above 120° F. "NaK" alloy is a silvery mobile liquid and has no odor. "NaK" alloy may ignite spontaneously if exposed to water or even humid air.

-----------------------------------------------
Health Precautions
-----------------------------------------------

- AVOID SKIN CONTACT: Use canvas or leather gloves.
  "NaK" may cause burns.
  If exposed, scrape "NaK" fluid from the skin with a metal edge (scraper, knife edge, spatula, etc.) or by shaking of contacted area. Flush skin with large amount of water for fifteen minutes.
  CAUTION: Protect eyes. Water will cause any residues to splatter. Contact physician immediately.

- AVOID EYE CONTACT: If exposed, flush eyes promptly with plenty of water for 15 minutes. Contact physician immediately.

- AVOID BREATHING VAPOURS: Do not breathe vapors that are produced from water contact with "NaK" or burning "NaK".

-----------------------------------------------

(G-1)
Fire Precautions

- **AVOID WATER CONTACT:** Do not clean up leaking "NaK" fluid with damp or wet cloth. Water reacts violently! May ignite spontaneously if exposed to water or even humid air.

- **LEAKING "NaK":** Locate leaking "NaK" actuators away from flammables or combustibles.

- **AVOID USE OF NORMAL FIRE EXTINGUISHERS:** Do not use Class A, B, or C type fire extinguishers on burning "NaK". Violent reactions or explosions may occur.

- **USE DRY SODA ASH, DRY SODIUM CHLORIDE (SALT), OR DRY SAND ON "NaK" FIRES:** Use these materials to smother burning "NaK". Do not use any other method.

Clean-Up Precautions

- **MIX SPILLED "NaK" WITH DRY SODA ASH, DRY SODIUM CHLORIDE (SALT), DRY SAND, OR VERMICULITE:** Scoop mixture with metal utensil into the metal pail provided with the DOT-E 9296 container.