

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 12° 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 VAPORS:** Do not breath vapors that are produced from water contact with "NaK" or burning "NaK".

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.