Acetone

**How can this chemical affect my health?**

- **Acute (Short Term) Effects**
  - **Toxic to Humans & Animals** – Can be fatal on contact, ingestion or inhalation for humans and other mammals.
  - **Irritates the Eyes** – Can cause irritation or serious damage to the eye.
  - **Irritates the Skin** – Can cause irritation or serious damage to the skin.

- **Chronic (Long Term) Effects**
  - **Birth Defects** – Can cause harm to the developing child including birth defects, low birth weight and neurological or behavioral problems that appear as the child grows.
  - **Reproductive Harm** – Can disrupt the male or female reproductive systems, changing sexual development, behavior or functions, decreasing fertility, or resulting in loss of the fetus during pregnancy.
  - **Brain/Nervous System Harm** – Can cause damage to the nervous system including the brain.
  - **PBT (Persistent Bioaccumulative Toxicant)** – Does not break down readily from natural processes, accumulates in organisms concentrating as it moves up the food chain, and is harmful in small quantities.
  - **Cancer** – Can cause or increase the risk of cancer.

**Inherent Hazards**

- **Flammable** – Easily ignited and capable of burning rapidly.
- **Restricted List** – This chemical is on a list from an authoritative body recommending that its use be avoided.

**What safer alternatives are available for this chemical?**

Find case studies related to substitutions for this chemical in SubsPORT, the substitution support portal.

**How am I likely to be exposed to this chemical?**

- **Inhalation**
- **Eye Contact**

**How can I protect myself from exposure to this chemical in the workplace?**

- **Respirator**
- **Safety Eyewear**

Polyurethane
CAS: 64440-88-6

How can this chemical affect my health?

- Acute (Short Term) Effects
  - Toxic to Humans & Animals: Can be fatal on contact, ingestion or inhalation for humans and other mammals.
  - Irritates the Eyes: Can cause irritation of serious damage to the eye.

Inherent Hazards

- Restricted: This chemical is on a list from an authoritative body recommending that its use be avoided.

How does this chemical impact the environment?

- Immediate Harm to Aquatic Ecosystems: A single exposure may result in severe biological harm or death to fish or other aquatic organisms.
- Long-Term Harm to Aquatic Ecosystems: Long term exposure may result in irreversible harm to fish or other aquatic organisms.

What safer alternatives are available for this chemical?

Information on safer alternatives is currently fairly limited, and not easily accessible or linked to information on chemicals in the workplace. Where we have information on safer alternatives, ChemHAT will display links to existing case studies of safer alternatives for the chemical.

Source: http://www.chemhat.org/chemical/64440-88-6/polyurethane