



## PRODUCT STEWARDSHIP SUMMARY

### *Cobalt octoate liquid 12%*

#### 1. Chemical identity

- Cobalt 2-ethylhexanoate, C.A.S. No. 136-52-7, Chemical formula  $\text{Co}(\text{C}_8\text{H}_{15}\text{O}_2)_2$
- Mineral Spirits (Stoddard), 64742-88-7, Chemical formula unspecified

#### 2. Uses and Applications

Cobalt octoate liquid 12% is used as a drier for coatings, as well as an initiator and cross-linker for polyester manufacturing.

#### 3. Physical / Chemical Properties

Cobalt octoate liquid 12% is a blue liquid with a slight odor of mineral spirits. It is normally stable. Cobalt octoate liquid 12% is combustible with a flash point of 105° F. It is incompatible with strong oxidizing agents and may produce carbon monoxide when thermally decomposed.

#### 4. Globally Harmonized System (GHS) Classifications



Danger. Flammable liquid and vapor. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

#### 5. Exposure

Exposure to cobalt octoate liquid 12% may occur in industrial applications where engineering controls have failed or are not in place. Exposure can also result when safe work procedures are not followed, or workers do not use personal protective equipment. Exposure to cobalt octoate liquid 12% may occur during environmental releases if response operations are not conducted properly or in a timely manner.



## 6. Risk Management

Engineering controls such as exhaust ventilation, dedicated closed systems, leak detection, welded joints, and proper storage equipment design are recommended to minimize the risk of exposure to cobalt octoate liquid 12%. Safe work practices and worker training on the handling of combustible liquids is also recommended. Personal protective equipment such as safety glasses, impervious gloves, respirators, and work uniforms are necessary to prevent worker exposure. In the event of an environmental release of cobalt octoate liquid 12%, emergency personnel should follow appropriate emergency response guidelines for combustible liquids and wear adequate protective equipment to minimize exposure during response operations.

## 7. Additional Information

- The Shepherd Chemical Company Material Safety Data Sheets, [www.shepchem.com](http://www.shepchem.com)
- Hazardous Substance Data Bank (HSDB), <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>

## 8. Contact Information

For more information, call (513) 458-6847 or email [bpelsor@shepchem.com](mailto:bpelsor@shepchem.com)