



PRODUCT STEWARDSHIP SUMMARY

Nickel octoate 10% in Hexane

1. Chemical identity

- Nickel 2-ethylhexanoate, C.A.S. No. 136-52-7, Chemical formula $\text{Co}(\text{C}_8\text{H}_{15}\text{O}_2)_2$
- 2-Ethylhexanoic Acid, C.A.S. No. 149-57-5, Chemical formula $\text{C}_8\text{H}_{16}\text{O}_2$
- Hexane, C.A.S. No. 110-54-3, Chemical formula C_6H_{14}

2. Uses and Applications

Nickel octoate 10% in Hexane is used as a catalyst in rubber manufacturing.

3. Physical / Chemical Properties

Nickel octoate 10% in Hexane is a green liquid with an odor of Hexane. It is normally stable. Nickel octoate 10% in Hexane is extremely flammable with a flash point of -25°F . It is incompatible with strong oxidizing agents and may produce carbon monoxide when thermally decomposed.

4. Globally Harmonized System (GHS) Classifications



Danger. Highly flammable liquid and vapor. Fatal if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. May cause cancer. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

5. Exposure

Exposure to Nickel octoate 10% in Hexane 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 Nickel octoate 10% in Hexane may occur during environmental releases if response operations are not conducted properly or in a timely manner.

6. Risk Management



Engineering controls such as fire suppression systems, dedicated flammable liquid storage areas, electrostatic energy controls, ventilation, dedicated closed systems, leak detection, and proper storage equipment design are recommended to minimize the risk of exposure to Nickel octoate 10% in Hexane. Safe work practices and worker training on the handling of flammable liquids are 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 Nickel octoate 10% in Hexane, emergency personnel should follow appropriate emergency response guidelines for flammable 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
- 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