

## PRODUCT BACKGROUNDER

### C9 Resin Oil

**Important! For detailed information on this product and emergency measures, obtain the Material Safety Data Sheet (MSDS). In the case of an emergency, please call our 24-hour hotline at 1-800-561-6682 or 1-403-314-8767.**

**May also be called: C<sub>9+</sub> Mixed Aromatic Hydrocarbons, Low DCPD Resin Oil, High Indene Resin Oil**

#### Product/Substance Use:

- C9 Resin Oil is manufactured at NOVA Chemicals' Corunna, Ontario facility and transported by rail cars.
- This product is used in various industrial specialty applications such as inks, adhesives and rubber products.

#### Characteristics and Safe Handling:

- C9 Resin Oil is regulated in the workplace as combustible and very toxic (suspected carcinogen). It is regulated in transportation as flammable.
- This product is an oily, yellow-coloured liquid with a distinctive aromatic odour.
- If released from containment, C9 Resin Oil will start to evaporate and may be ignited by heat, sparks or flames. Containers exposed to fire conditions may explode.
- Any liquid or vapour release must be monitored due to risk of fire or explosion, and possible toxic effects. Ignition from a distant source with flashback is possible. Vapours are heavier than air and may collect to dangerous levels in low, underground or confined areas.
- Any equipment used in areas of handling or storage must be approved for flammable liquids and properly grounded for control of static electricity.
- C9 Resin Oil will float on water and product components evaporate rapidly. Any liquid release on water or land must be isolated, contained and recovered or cleaned up by properly trained and equipped personnel.

#### Health and Safety Information:

- Contact with C9 Resin Oil causes irritation to the eyes and skin. Flush immediately out of eyes and/or off of skin. Prolonged skin contact may cause dermatitis, possible chemical burns and skin sensitization reactions. These products contain components that may be absorbed through the skin. Similar petroleum mixtures have been reported to cause skin tumours on mice following prolonged and repeated contact.
- This product is harmful if inhaled. Ensure adequate ventilation is available. Breathing product vapours may cause irritation and at very high levels may cause headache, sleepiness, dizziness, nausea, loss of coordination and heartbeat irregularities. Over time, liver and kidney damage and reproductive effects may occur. With extended contact (usually in an enclosed space), unconsciousness or death is possible.
- C9 Resin Oil is harmful if accidentally swallowed. Seek immediate medical attention. **DO NOT INDUCE VOMITING**, as liquid drawn into lungs may cause serious injury (chemical pneumonia). This product may cause a serious blood disorder called methemoglobinemia upon ingestion.
- Some minor components, e.g. styrene, naphthalene and ethylbenzene, each representing less than 10% of this product have been listed as possibly carcinogenic to humans.

#### Environmental Information:

- C9 Resin Oil has low solubility in water and is volatile, with moderate absorption into soil. Product is considered harmful to aquatic and terrestrial life.
- Most of the product components will degrade in air over a period of days or weeks and more slowly in soils or ground waters. Soil remediation may be required after large spills.
- Associated wastes may be regulated in Canada and in the United States. Ensure all applicable regulations are met.

*Last update: June 24, 2011*

For more information on this, or any other NOVA Chemicals' product, please contact us at the nearest location below during business hours or visit our website at [www.novachem.com](http://www.novachem.com):

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