

## PRODUCT BACKGROUNDER

### C6-C8 Raffinate

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

**May also be called:** C6-C8 Raffinate, Blended reformaté/raffinate

#### Product/Substance Use:

- C6-C8 is manufactured at NOVA Chemicals' Corunna, Ontario facility and is transported by pipeline and marine.
- This product is sold to gasoline producers for blending into formulated gasoline and fuel products.

#### Characteristics and Safe Handling:

- C6-C8 is regulated in transportation as flammable and in the workplace as flammable and very toxic (possible carcinogen).
- This product is a clear-coloured liquid with a sweet aromatic odour.
- If released from containment, C6-C8 will readily 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 must be properly grounded for control of static electricity.
- C6-C8 will float on water and product components evaporate rapidly. Any liquid release on water must be isolated, contained and recovered or cleaned up by properly trained and equipped personnel.

#### Health and Safety Information:

- This product is harmful if inhaled. Ensure adequate ventilation is available. Breathing product vapours may cause irritation and at high concentrations may cause headache, sleepiness, dizziness, nausea, loss of coordination and heartbeat irregularities. Over time, bronchitis (or other breathing problems), possible damage to the liver or kidney, peripheral nervous systems (particularly in the arms and legs) and/or cancer may occur. With extended contact (usually in an enclosed space), unconsciousness or death is possible.
- Contact with C6-C8 causes mild to serious irritation/dermatitis to the skin and mild irritation to the eyes. Wear all recommended personal protective equipment if any contact with this material is likely. Flush immediately out of eyes and/or off of skin. Prolonged skin contact may cause irritation, blistering and possible serious dermatitis. This product contains components that may be absorbed through the skin. Gloves and clothing contaminated with this product can increase exposure by skin absorption and can also pose a potential fire hazard. Immediately remove and clean any contaminated clothing prior to reuse or discard.
- C6-C8 is harmful if accidentally swallowed. Seek immediate medical attention. DO NOT INDUCE VOMITING, as liquid drawn into lungs may cause serious injury (chemical pneumonia).
- A minor component, ethylbenzene, representing less than 3% of this product has been listed as possibly carcinogenic to humans. Xylene, which is less than 2% of this product, is considered to be a possible developmental toxicant (birth defects) in Canada.

#### Environmental Information:

- C6-C8 is volatile, insoluble in water (floats on water) with some absorption into soil and sediment. Product is moderately toxic to aquatic and terrestrial life.
- This product will photodegrade with a component half-life between 1 and 16 days and is likely to biodegrade into non-toxic products over time. 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.

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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.novachemicals.com](http://www.novachemicals.com) :

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