

## PRODUCT BACKGROUNDER

### Aromatic Concentrate

**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: AC1, Pygas, Pyrolysis Gasoline, High Benzene Naphthas, C5s/C5+**

#### Product/Substance Use:

- This is an industrial product manufactured at NOVA Chemicals' Joffre, Alberta facility and transported in bulk by rail.
- This product must be further processed prior to its use as a feedstock for making other industrial chemicals and plastics.

#### Characteristics and Safe Handling:

- This material is regulated as both flammable and toxic in the workplace and as flammable in transportation.
- Product is a volatile, highly flammable, toxic, pale yellow liquid with a pungent, unpleasant odour at very low concentrations.
- Any equipment used in areas of handling or storage must be approved for flammable liquids and properly grounded for control of static electricity.
- If released from containment, product evaporates readily and may be easily 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.
- Material 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:

- Ensure adequate ventilation is available. This product is harmful if inhaled. Breathing product vapours may cause irritation and at very high concentrations may cause headache, sleepiness, dizziness, nausea, loss of coordination and heartbeat irregularities. Over time, liver and kidney damage, blood changes and possibly cancer (leukemia) may occur. With extended contact (usually in an enclosed space), unconsciousness or death due to low oxygen levels is possible.
- Contact with material may cause irritation to the eyes and skin. Flush immediately out of eyes and/or off of skin. Prolonged contact with this product may cause excessive dryness of the skin, dermatitis, possible chemical blistering and skin sensitization reactions. This product contains components that may be absorbed through the skin.
- Wear all recommended personal protective equipment if any contact with this material is likely. Immediately remove and clean any contaminated clothing prior to reuse.
- If accidentally swallowed, DO NOT INDUCE VOMITING. Aspiration of liquid into lungs may cause chemical pneumonia. Ingestion of this material may cause headache, sleepiness, dizziness, nausea, loss of coordination, liver and kidney damage, blood changes and in extreme situations, unconsciousness or death. Seek immediate medical attention if ingested or aspirated.
- Benzene, which is 30 to 50% of this product, is a confirmed human carcinogen (leukemia). Xylene, which is less than 1% of this product, is considered to be a possible developmental toxicant (birth defects) in Canada. Other components representing less than 6% of this product have been listed as possibly carcinogenic to humans.

#### Environmental Information:

- This product is slightly soluble in water and volatile, with low absorption into soil and sediment. Components are considered harmful to aquatic and terrestrial life. AC1 is not expected to accumulate in plant or animal tissues.
- Components in air will begin to degrade in hours 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: December 10, 2010*

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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