SUMMARY OF HEALTH IMPACTS
Jet Fuel A-1: Aviation turbine fuel distillate mixture

This information applies to adults, pregnant women and children of any age.

Jet Fuel A-1 has a bad chemical smell (like gasoline) and bad taste. It is a mixture of hydrocarbons, largely kerosene and it may contain benzene, based on the source of crude oil from which it was refined.

Direct contact with fuel and or fumes:
- Causes irritation to: Eye, Skin, Lungs, Gut.
- May be absorbed through: Skin, Lungs, Gut.

Short-term effects if exposed to small amounts of fuel and/or fumes over short periods of time (hours):
- Excessive intentional inhalation may cause
  - respiratory tract irritation including sore mouth and throat, and worsening of symptoms related to chronic lung conditions
  - central nervous system effects include headache, dizziness, and worsening of symptoms related to chronic nervous system conditions
- Aspiration of material into lungs can cause
  - chemical inflammation of the lungs and worsening of symptoms related to chronic lung conditions
- Ingestion of high levels may cause
  - stomach distress, nausea or vomiting, and worsening of symptoms related to chronic gastrointestinal conditions
- Contact with eyes can cause
  - irritation including redness, burning, temporary visual disturbance, and worsening of symptoms related to chronic eye conditions
- Contact with skin can cause
  - drying, redness, dermatitis, eczema, chemical burn with blistering, cracking, and worsening of symptoms related to chronic skin conditions

Long-term effects if exposed to large amounts of fuel and fumes over extended periods of time (weeks to months):
- Lung tissue damage
- Kidney damage
- Eye damage
- Potential carcinogen (linked to leukemia)
- Potential damage to early fetus if pregnant

Please see your doctor, emergency room, and or call BC poison control if you have:
- ingested liquid jet fuel into stomach
- aspirated liquid jet fuel into lungs
- any short-term symptoms listed above that do not resolve immediately after moving away from the fumes
- concerns regarding significant exposure and/or long-term exposure effects


Jet Fuel A-1 Health Effects
August 2013