

# Alcohol Based Hand Sanitizer

## THE HAZARD:

- Alcohol based hand sanitizer contains approximately 70% - 80% ethanol which is a highly flammable liquid
- Both the liquid and vapour are flammable
- Most vapours are heavier than air and can accumulate in low lying areas such as basements, trenches and sewers
- The product is easily ignitable by common ignition sources such as hot surfaces, sparks, open flame and smoking
- Static discharges can also ignite the liquid while it is being stored or dispensed – bonding and grounding is required
- If plastic, both the drum and container must be located on the ground during dispensing - powered pumps should be intrinsically safe
- Plastic containers can easily rupture or puncture, spreading the contents and possibly catching fire if heat or an ignition source is present



## IMPORTANT!

All aspects of storage, dispensing and usage as per the Safety Data Sheet (SDS) MUST be followed

## **REQUIREMENTS/ACTIONS:**

- **Review the Safety Data Sheet (SDS) for the products in use - follow appropriate precautions**
- **Store bulk quantities of the product (18.9L/5 gallon containers or >) in ULC listed flammable liquid storage cabinets or inside fully cut-off, fire rated rooms**
- **Dispense product in a well-ventilated area and using appropriate PPE and avoiding sources of ignition including static**
- **Update Emergency Response Plans as required and provide proper signage for storage areas**
- **Communicate the hazard with those responsible for storing and dispensing the product**