

# C5 RAFFINATE, "SWEET NAPHTHA"

## Chemical Names:

C5 Raffinate, Aromatic resin return steam, Raffinate, "**Sweet Naphtha**" \*

Chemical Family: Petroleum Hydrocarbons, Paraffins (Alkanes), Olefins (Alkenes), Aromatic Hydrocarbons (Benzene)

## Components - May Contain Variable Amounts of:

|                    |                                 |
|--------------------|---------------------------------|
| n-Pentane          | Cyclopentene                    |
| Pentenes           | Cyclopentane                    |
| 2-Methyl-2-Butene  | C6-C8 non-aromatic Hydrocarbons |
| 1, 3-Pentadiene    | Toluene                         |
| C1-C4 Hydrocarbons | <b>*Contains Benzene</b>        |

## Extinguishing Media:

Dry chemical, water fog, CO<sub>2</sub> (Carbon Dioxide), foam. If possible, allow fire to burn out.

## Special Fire Fighting Procedures and Precautions:

Fires involving this material should not be extinguished unless the source flow can be stopped immediately. Shut off the source and allow the fire to burn itself out. If it cannot be shut off immediately, all exposed equipment and surfaces must be cooled with water to prevent over-heating, flashbacks, or explosions. Fireman must use proper protective equipment including respiratory apparatus (NIOSH/MHSA approved) to protect against hazardous combustion products/oxygen deficiencies.

## Fire and Explosion Hazards:

**EXTREMELY FLAMMABLE!** This material releases vapors at or below ambient temperatures. When mixed with air in certain proportions and exposed to an ignition source, these vapors can burn in the open or explode in confined spaces. Being heavier than air, flammable vapors may travel long distances along the ground before reaching a point of ignition and flashing back.

## Health Hazards:

This material is expected to cause moderate to severe eye and/or skin irritation. Absorption through the skin may produce toxic effects similar to those resulting from inhalation exposure. Short-term inhalation from high levels of vapors may cause CNS depression. Symptoms include headache, nausea, drowsiness, vertigo, fatigue, loss of consciousness, convulsions and death from asphyxiation. Ingestion may cause CNS depression, irritation of the mouth, throat & gastrointestinal tract, leading to nausea, vomiting, diarrhea and restlessness. Aspiration into the lungs from vomiting will cause chemical pneumonia. **\*Benzene is a known carcinogen.**