

Common Name: **VM & P NAPHTHA**

Synonyms: Varnish Makers' and Painters' Naphtha; Light Naphtha; Benzine

CAS No: 8032-32-4

Molecular Formula: (Blend of petroleum fractions)

RTK Substance No: 0206

Description: A colorless to yellow, liquid petroleum product with an odor like gasoline

HAZARD DATA

| Hazard Rating | Firefighting | Reactivity |
|---|---|---|
| <p>2 - Health</p> <p>3 - Fire</p> <p>0 - Reactivity</p> <p>DOT#: UN 1268</p> <p>ERG Guide #: 128</p> <p>Hazard Class: 3 (Flammable)</p> | <p>FLAMMABLE LIQUID.</p> <p>Use dry chemical, CO₂, alcohol-resistant foam or other foaming agent as extinguishing agents, as water may not be effective in fighting fires.</p> <p>POISONOUS GASES ARE PRODUCED IN FIRE. CONTAINERS MAY EXPLODE IN FIRE.</p> <p>Use water spray to keep fire-exposed containers cool.</p> <p>Vapors may travel to a source of ignition and flash back.</p> <p>Vapor is heavier than air and may travel a distance to cause a fire or explosion far from the source.</p> <p>Use a vapor suppressing foam to reduce vapors.</p> | <p>VM & P Naphtha is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).</p> |

| SPILL/LEAKS |
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| <p>Isolation Distance:</p> <p>Small Spill: 60 meters (200 feet)</p> <p>Large Spill: 270 meters (900 feet)</p> <p>Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.</p> <p>Keep VM & P Naphtha out of confined spaces, such as sewers, because of the possibility of an explosion.</p> <p>Severe marine pollutant.</p> |

| PHYSICAL PROPERTIES |
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| <p>Odor Threshold: 0.86 ppm</p> <p>Flash Point: 28° to 85°F (-2° to 29°C)</p> <p>LEL: 0.9%</p> <p>UEL: 6.7%</p> <p>Auto Ignition Temperature: 450°F (232°C)</p> <p>Vapor Density: 4.1 - 4.3 (air = 1)</p> <p>Vapor Pressure: 2 to 20 mm Hg at 68°F (20°C)</p> <p>Specific Gravity: <1 (water = 1)</p> <p>Water Solubility: Insoluble</p> <p>Boiling Point: 212° to 350°F (100° to 177°C)</p> <p>Molecular Weight: 114</p> |

| EXPOSURE LIMITS |
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| <p>OSHA: None</p> <p>NIOSH: 350 mg/m³, 10-hr TWA 1,800 mg/m³, 15-min STEL</p> <p>ACGIH: 1,370 mg/m³, 8-hr TWA</p> <p>IDLH LEVEL: N/A</p> |

| PROTECTIVE EQUIPMENT |
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| <p>Gloves and Coveralls: Nitrile, Neoprene, and Viton (>8-hr breakthrough) DuPont Tychem® BR and LV, Responder® and TK (>8-hr breakthrough)</p> <p>Boots: Neoprene</p> <p>Respirator: 350 mg/m³ - full facepiece APR with Organic Vapor cartridges</p> |

| HEALTH EFFECTS |
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| <p>Eyes: Irritation</p> <p>Skin: Irritation, drying and cracking of the skin</p> <p>Acute: Irritation of the nose and throat with coughing and wheezing Headache, dizziness and passing out.</p> <p>Chronic: Cancer (Not Classifiable)</p> |

| FIRST AID AND DECONTAMINATION |
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| <p>Remove the person from exposure.</p> <p>Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.</p> <p>Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.</p> <p>Begin artificial respiration if breathing has stopped and CPR if necessary.</p> <p>Transfer to a medical facility.</p> |