



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

1. PRODUCT NAME: Aromatic 100

2. CHEMICAL NAME: Light Aromatic Naphtha

3. SYNONYMS: A-100

4. CAS NUMBER: 64742-95-6

5. COMPOSITION: Hazard Identification: Light Aromatic Naphtha
100%

Solvent naphtha (petroleum), light aromatic is a complex stream of predominately C8 to C10 hydrocarbons; the exact composition and concentrations will vary. Contains Naphthalene, CAS # 91-20-3 (0.03 - 0.1% weight).

6. PROPERTIES: ODOR & APPEARANCE: clear, colorless liquid with aromatic hydrocarbon odour

ODOR THRESHOLD: not known

VAPOUR PRESSURE: 11mmHg/1.47kPa (38 c/100 F)

EVAPORATION RATE (butyl Acetate=1): 0.3

VAPOR DENSITY (air=1): 4.1

BOILING RANGE: 140 c – 182 c/300 F – 369 F

FREEZING POINT: -60 c/76 F

SPECIFIC GRAVITY: 0.87 (20/20 c)

WATER SOLUBILITY: 0.1% (20 c)

IN OTHER SOLVENTS: soluble in most organic solvents

VISCOSITY: 0.9 centistokes (25 c)

Note: This petroleum distillate is composed of several individual substances. Physical properties may vary beyond above, depending on source.

7. HAZARDS: Fire Hazard. Immediate (Acute) Health Hazard. Delayed (Chronic) Health Hazard.

8. FIRE FIGHTING FLASH PONT: above 40 c/180 F (closed cup)

INFORMATION: AUTOIGNITION TEMPERATURE: 471 c/880 F

FLAMMABLE LIMITS: 0.6%-7.0% (various values are given)

COMBUSTION PRODUCTS: carbon monoxide, nitrogen oxides, smoke, part oxidized hydrocarbon fragments

FIRE FIGHTING PROCAUTIONS: foam, dry chemical, water fog, water spray only to cool & dilute, product floats on water – water jet spreads lames; fire fighters must wear SCBA.

STATIC DISCHARGE: will accumulate a static charge on agitation

MECHANICAL IMPACT: not sensitive

CHEMICAL STABILITY: stable: will not polymerize

REACTIVE WITH: Strong oxidizing agents

DECOMPOSITION PRODUCTS: apart from Hazardous Combustion Products, toxic fumes on heating

9. PERSONAL HANDS: “Viton” gloves best; nitrile gloves acceptable for short-term exposure

PROTECTION EYES: safety glasses with side shields or chemical goggles

MEASURES: RESPIRATOR: not required if ventilation is adequate (see TWAE, (2)0 ABOVE) , or use organic vapour cartridge

CLOTHING: “Viton” apron, boots, long sleeves, if splashing is anticipated

CERCLA: The material is classified as an “oil” under the CERCLA Petroleum Exclusion. Releases to the environment are not reportable under CERCLA.

CLEAN WATER ACT: Under section 311 of the clean water act, this material is considered an “oil”.

IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887



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Spills into surface waters must be reported to the National Response Centre (800) 424-8802. Reportable quantity is 1250lbs.

SARA HAZARD CATEGORIES: - immediate (acute) health hazard; fire hazard

STATE REGULATIONS:

CALIFORNIA – known to the State California to cause cancer, birth defects and other reproductive harm: naphthalene, benzene & toluene.

10. FIRST AID PROCEDURES: SKIN: Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.
EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.
INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.
INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.
NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

11. EXPOSURE LIMITS: TWAEV ppm: 20*
LD50 ORAL: 8400
SKIN (mg/kg): 2000
LC50 mg/m³ INHALATION: above 18,000

12. TOXICOLOGICAL INFORMATION: EFFECTS ACUTE EXPOSURE
SKIN CONTACT: drying, may irritate
SKIN ABSORPTION: yes, slight; no toxic effect anticipated by this route
EYE CONTACT: slightly irritating; will not damage eyes, vapour irritating above 1000ppm
INHALATION: irritating above 1000ppm : headache, dizziness, drowsiness, intoxication
INGESTION: Headache, dizziness, drowsiness, intoxication
EFFECTS OF CHRONIC EXPOSURE

13. ECOLOGICAL INFORMATION: GENERAL: prolonged exposure may cause skin cracking and dermatitis, weight loss has been seen in rodents exposed to 1300ppm (well above level considered strongly irritating)
SENSITISING: not a sensitiser
CARCINOGENIC: not a tumorigen; not a carcinogen; animal or human
REPRODUCTIVE EFFECT: experimentally fetotoxic at 1500ppm; no known effect in humans
SYNERGISTIC WITH: aggravates existing dermatitis
LD50: 8400mg/kg (oral, rat), 2140mg/kg (oral, quail)
LC50: above 18,000ppm (inhalation, rat)

14. DISPOSAL CONSIDERATIONS: Proper disposal should be evaluated based on regulatory status of this material (refer to Section 13), potential contamination from subsequent use and spillage, and regulations governing disposal in the local area.

15. CARCINOGENIC PROPERTIES & NOTIFICATIONS: The National Toxicology Program [NTP] has reported a chronic inhalation study in rats of naphthalene, a minor component of this product. Naphthalene caused severe inflammation and an increase in tumors of the nasal epithelium in both sexes. NTP considered this to be clear evidence of carcinogenic activity of naphthalene in rats. The relevance to the inhalation toxicity of this product in humans is unknown.



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16. TRANSPORT INFORMATION: US Department of Transportation Classification:
Proper Shipping Name: Petroleum Distillates, N.O.S.
Technical Names (s): Petroleum Naphtha
Identification Number: UN1268
Hazard Class/Division: 3 (Flammable Liquid)
Packing Group: III
Oil: This material is an 'OIL' under 49 CFR Part 130 when transported in a container of 3500 gallon capacity or greater.
Emergency Response Guide # 128

17. HANDLING & STORAGE: Handling: Surfaces that are sufficiently hot may ignite liquid material. Vapors are heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Keep away from heat, sparks and flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors have dissipated. Use explosion-proof ventilation to prevent vapor accumulation while in use. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well-ventilated area before laundering. Static electricity may accumulate and create a fire hazard. Bond and ground handling equipment and transfer containers to prevent sparking.
Storage: Keep containers closed when not in use.

18. ACCIDENTAL RELEASE MEASURES: Shut off source of leak if safe to do so. Dike and contain spill. Use water spray (fog) to reduce vapors or divert vapor cloud drift. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water to remove trace residue. Contain run-off from residue flush and dispose of properly. Prevent entry into waterways, sewer, basements or confined areas. Remove contaminated soil to remove contaminated trace residues. Dispose of in same manner as material. For small spills: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

19. REGULATORY INFORMATION: Resource Conservation & Recovery Act (RCRA) Classification:
D001 (Ignitable Hazardous Waste).
Superfund Amendment & Reauthorization Act (SARA) Title III:
SARA Hazard Categories(311/312):
Fire Hazard. Immediate (Acute) Health Hazard. Delayed (Chronic) Health Hazard.
SARA Toxic Release Inventory(TRI) (313):
Xylene (1330-20-7) 1 - 3 %weight
1,2,4-Trimethylbenzene (95-63-6) 31 - 40 %weight
Cumene (98-82-8) < 2 %weight
California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):
New Jersey Right-To-Know Chemical List:
Pennsylvania Right-To-Know Chemical List:
Naphthalene (91-20-3) 0.03 - 0.1 %weight CA_65 C
1,2,4-Trimethylbenzene (95-63-6) 31 - 40 %weight
1,3,5-Trimethylbenzene (108-67-8) 10 - 12 %weight
Cumene (98-82-8) < 2 %weight
Xylene (1330-20-7) 1 - 3 %weight
1,2,4-Trimethylbenzene (95-63-6) 31 - 40 %weight Environmental Hazard
Cumene (98-82-8) < 2 %weight Environmental Hazard
Xylene (1330-20-7) 1 - 3 %weight Environmental Hazard