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THE POWER OF THREE³

PHARMCO-AAPER

AND COMMERCIAL ALCOHOLS

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

MATERIAL SAFETY DATA SHEETS

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AROMATIC SOLVENT, A-200

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AROMATIC 200 FLUID
CHEMICAL NAME:
Aromatic Hydrocarbon CAS 64742-94-5
CHEMICAL FAMILY:
Petroleum Hydrocarbon
PRODUCT DESCRIPTION:
Clear, pale yellow liquid

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse. This product is hazardous as defined in 29 CFR1910.1200, based on the following compositional information:

OSHA HAZARD COMPONENT
ACGIH TLV; OSHA PEL Naphthalene
Possible carcinogen Naphthalene

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS EYE CONTACT:
Slightly irritating but does not injure eye tissue.
SKIN CONTACT:
Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.
Skin contact may aggravate an existing dermatitis condition.
INHALATION:
High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death effects, including death.
INGESTION:

Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Minimal toxicity.

CHRONIC EFFECTS

At high oral doses in rats, this product caused damage to the stomach, liver, thyroid, and urinary bladder. These effects are not relevant to humans at occupational levels of exposure.

This product contains naphthalene. The International Agency for Research on Cancer evaluated naphthalene and concluded that there was sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Accordingly, IARC classified naphthalene as a possible human carcinogen (Group 2B).

SECTION 4 FIRST AID MEASURES

EYE CONTACT:

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:

Flush with large amounts of water; use soap if available.

Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT: 203 Deg F. METHOD: PMCC ASTM D93 NOTE: Minimum

FLAMMABLE LIMITS: LEL: 0.7 UEL: 5.3 @ 77 Deg F. NOTE: Approximate

AUTOIGNITION TEMPERATURE: 916 Deg F.

GENERAL HAZARD

Low Hazard, liquid can burn upon heating to temperatures at or above the flashpoint.

Static Discharge, material can accumulate static charges, which can cause an incendiary electrical discharge .

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

FIRE FIGHTING

Use water spray to cool fire exposed surfaces and to protect personnel.

Isolate "fuel" supply from fire.

Use foam, dry chemical, or water spray to extinguish fire.

Avoid spraying water directly into storage containers due to danger of boil-over.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

No Unusual

SECTION 6 ACCIDENTAL RELEASE MEASURES

LAND SPILL

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 15 REGULATORY INFORMATION) notify the National Response Center.

Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth.

Recover by pumping or with a suitable absorbent.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear.

Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:

Yes, use proper bonding and/or grounding procedure.

STORAGE TEMPERATURE, F: LOADING/UNLOADING TEMPERATURE, F:

Ambient Ambient

STORAGE/TRANSPORT PRESSURE, mmHg: LOADING/UNLOADING VISCOSITY, cSt:

Atmospheric 3.0

STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.

Do NOT handle or store near an open flame, heat or other sources of ignition.

Protect material from direct sunlight.

Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

Do NOT pressurize, cut, heat, or weld containers. Empty product containers may

contain product residue. Do NOT reuse empty containers without commercial cleaning or reconditioning.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a lab hood. Provide mechanical ventilation of confined spaces.

See respiratory protection recommendations.

PERSONAL PROTECTION

For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.

Where contact may occur, wear safety glasses with side shields.

Where concentrations in air may exceed the limits given in this Section and

engineering, work practice or other means of exposure reduction are not

adequate, NIOSH approved respirators may be necessary to prevent overexposure by inhalation.

WORKPLACE EXPOSURE GUIDELINES

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE

EXPOSURE LIMITS:

A TWA of 10 ppm (50 mg/m³) and a STEL of 15 ppm (75 mg/m³) for Naphthalene.

The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity.

Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, ExxonMobil Chemical Company recommends that the lower exposure levels be observed as reasonable worker protection.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

A TWA of 10 ppm (52 mg/m³) and a STEL of 15 ppm (79 mg/m³) for Naphthalene, with

skin and A4 designations. RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS:

a TWA of 100 mg/m³ (15 ppm) based on total hydrocarbon.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY, at F: VAPOR PRESSURE, mmHg at F:

1.00 at 60 0.04 at 68

DENSITY at F: 8.3 lbs/gal at 60

SOLUBILITY IN WATER, wt. % at F: VISCOSITY OF LIQUID, cSt at F:

Less than 0.01 at 77 2.7 at 77

SP. GRAY. OF VAPOR, at 1 atm (Air=1): FREEZING/MELTING POINT, F:

5.70 -2

EVAPORATION RATE, n-Bu Acetate=1: BOILING POINT, F:

Less than 0.1 450 to 527

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID INSTABILITY: Not applicable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION: Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Nitric acid, sulfuric acid, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

SECTION 14 TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT): This product is not DOT regulated.

SECTION 15 REGULATORY INFORMATION

TSCA:

This product is listed on the TSCA Inventory as a UVCB (Unknown, Variable Composition or Biological) Chemical at CAS Registry Number 64742-94-5

Clean Water Act/Oil Pollution Act:

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

SECTION 16 WARRANTY

The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein.