

SAFETY DATA SHEET

Page: 1
Revision Date: 01/13/2010
Print Date: 1/28/2010
MSDS Number: R0004323
Version: 3.6

Aromatic 100 86813

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

COMPANY IDENTITY: Cumberland Products, Inc.
COMPANY ADDRESS: 50 Commerce Parkway
Hodgenville, KY 42748
COMPANY PHONE: 1-800-223-1918
CHEMTREC PHONE: 1-800-424-9300

Product name Aromatic 100
Product code 86813
Product Use Description No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid,, clear

CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF INHALED OR SWALLOWED. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

Potential Health Effects

Exposure routes

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact

May cause mild eye irritation. Symptoms include stinging, tearing, and redness. Additional symptoms of eye exposure may include: blurred vision

Skin contact

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, Skin, lung (for example, asthma-like conditions), eye

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Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, respiratory depression (slowing of the breathing rate), confusion, irregular heartbeat

Target Organs

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals:, cataracts, mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

Reproductive hazard

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No.	Concentration
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	>=40-<50%
TRIMETHYLBENZENE 1,2,4-	95-63-6	>=30-<40%
TRIMETHYLBENZENE, 1,3,5-	108-67-8	>=5-<10%
XYLENE	1330-20-7	>=1.5-<5%
CUMENE	98-82-8	>=1.5-<5%
DIETHYLBENZENE	25340-17-4	>=1.5-<5%

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

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If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, Foam, Carbon dioxide (CO₂)

Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons

Precautions for fire-fighting

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class II

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Environmental precautions

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Other information

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Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

Storage

Store in a cool, dry, ventilated area. Do not store near extreme heat, open flame, or sources of ignition. Store out of direct sunlight. Store in a cool, dry, ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

TRIMETHYLBENZENE 1,2,4-		95-63-6
NIOSH	Recommended exposure limit (REL):	25 ppm
NIOSH	Recommended exposure limit (REL):	125 mg/m3
ACGIH	time weighted average	25 ppm
OSHA Z1A	time weighted average	25 ppm
OSHA Z1A	time weighted average	125 mg/m3
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	25 ppm
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	125 mg/m3
TRIMETHYLBENZENE, 1,3,5-		108-67-8
NIOSH	Recommended exposure limit (REL):	25 ppm
NIOSH	Recommended exposure limit (REL):	125 mg/m3
ACGIH	time weighted average	25 ppm
OSHA Z1A	time weighted average	25 ppm
OSHA Z1A	time weighted average	125 mg/m3
XYLENE		1330-20-7
ACGIH	time weighted average	100 ppm
ACGIH	Short term exposure limit	150 ppm
OSHA Z1	Permissible exposure limit	100 ppm
OSHA Z1	Permissible exposure limit	435 mg/m3
NIOSH	Recommended exposure limit (REL):	100 ppm

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NIOSH	Recommended exposure limit (REL):	435 mg/m3
NIOSH	Short term exposure limit	150 ppm
NIOSH	Short term exposure limit	655 mg/m3
CUMENE	98-82-8	
ACGIH	time weighted average	50 ppm
NIOSH	Recommended exposure limit (REL):	50 ppm
NIOSH	Recommended exposure limit (REL):	245 mg/m3
OSHA Z1	Permissible exposure limit	50 ppm
OSHA Z1	Permissible exposure limit	245 mg/m3

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Wear resistant gloves (consult your safety equipment supplier). Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	No data
Colour	clear, colourless
Odour	aromatic
Boiling point/boiling range	(+/- 15) 321.00 °F
Melting point/range	-64 °F / -53 °C
pH	No data
Flash point	37.90 °C Tag closed cup

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Evaporation rate	25 (Ethyl Ether)
Lower explosion limit/Upper explosion limit	1.0 % (V) / 7.0 % (V)
Vapour pressure	2.100 mmHg @ 68.00 °F
Vapour density	4.5
Density	0.872 g/cm ³ @ 68 °F / 20 °C 7.26 lb/gal @ 68 °F / 20 °C
Solubility	negligible in water
Partition coefficient: n-octanol/water	No data
log Pow	no data available
Autoignition temperature	910 °F / 488 °C

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Heat, flames and sparks. Heat, flames and sparks.

Incompatible products

Nitric acid, Strong oxidizing agents, sulphuric acid

Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization. Product will not undergo hazardous polymerization.

Thermal decomposition

No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:	LD 50 Rat: > 5,600 mg/kg
Acute inhalation toxicity:	LC 50 Rat: > 10,200 mg/m ³ , 4 h
Acute dermal toxicity:	LD 50 Rabbit: > 4,000 mg/kg

12. ECOLOGICAL INFORMATION

Biodegradability

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:
no data available

TRIMETHYLBENZENE, 1,2,4-:
no data available

TRIMETHYLBENZENE, 1,3,5-:
no data available

XYLENE:
no data available

CUMENE:
no data available

DIETHYLBENZENE:
no data available

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Bioaccumulation

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:
no data available
TRIMETHYLBENZENE, 1,2,4-:
no data available
TRIMETHYLBENZENE, 1,3,5-:
no data available
XYLENE:
no data available
CUMENE:
no data available
DIETHYLBENZENE:
no data available

Ecotoxicity effects

Toxicity to fish

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:
no data available
TRIMETHYLBENZENE, 1,2,4-:
96 h flow-through test LC 50 Fathead minnow (*Pimephales promelas*): 7.19 - 8.28 mg/l
Method: Flow through
Mortality
TRIMETHYLBENZENE, 1,3,5-:
96 h LC 50 Goldfish (*Carassius auratus*): 9.89 - 15.05 mg/l
Method: Flow through
Mortality
XYLENE:
96 h LC 50 Fathead minnow (*Pimephales promelas*): 23.53 - 29.97 mg/l
Method: Static
Mortality
CUMENE:
96 h LC 50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*): 2.70 mg/l
Method: Renewal
Mortality
DIETHYLBENZENE:
no data available

Toxicity to daphnia and other aquatic invertebrates.

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:
no data available
TRIMETHYLBENZENE 1,2,4-:
No data available
TRIMETHYLBENZENE, 1,3,5-:
24 h EC 50 Water flea (*Daphnia magna*): 50.00 mg/l
Method: Static
Intoxication

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XYLENE:

24 h LC 50 Water flea (Daphnia magna): > 100.00 - < 1,000.00 mg/l

Method: Static

Mortality

CUMENE:

48 h EC 50 Water flea (Daphnia magna): 7.90 - 14.10 mg/l

Method: Static

Intoxication

DIETHYLBENZENE:

no data available

Toxicity to algae

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:

no data available

TRIMETHYLBENZENE, 1,2,4-:

no data available

TRIMETHYLBENZENE, 1,3,5-:

no data available

XYLENE:

no data available

CUMENE:

no data available

DIETHYLBENZENE:

no data available

Toxicity to bacteria

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:

no data available

TRIMETHYLBENZENE, 1,2,4-:

no data available

TRIMETHYLBENZENE, 1,3,5-:

no data available

XYLENE:

no data available

CUMENE:

no data available

DIETHYLBENZENE:

no data available

Biochemical Oxygen Demand (BOD)

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:

no data available

TRIMETHYLBENZENE, 1,2,4-:

no data available

TRIMETHYLBENZENE, 1,3,5-:

no data available

XYLENE:

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no data available
CUMENE:
no data available
DIETHYLBENZENE:
no data available

Chemical Oxygen Demand (COD)

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:
no data available
TRIMETHYLBENZENE, 1,2,4-:
no data available
TRIMETHYLBENZENE, 1,3,5-:
no data available
XYLENE:
no data available
CUMENE:
no data available
DIETHYLBENZENE:
no data available

Additional ecological information

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC:
no data available
TRIMETHYLBENZENE, 1,2,4-:
no data available
TRIMETHYLBENZENE, 1,3,5-:
no data available
XYLENE:
no data available
CUMENE:
no data available
DIETHYLBENZENE:
no data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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U.S. DOT - ROAD

Not dangerous goods

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U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

UN 1268 PETROLEUM DISTILLATES, 3 III
N.O.S.

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN 1268 Petroleum distillates, 3 III
n.o.s.

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN 1268 Petroleum distillates, 3 III
n.o.s.

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN 1268 DESTILADOS DE PETROLEO, 3 III
N.E.P.

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

TOLUENE
BENZENE

WARNING! This product contains a chemical known in the State of California to cause cancer.

BENZENE
ETHYL BENZENE

SARA Hazard Classification

Fire Hazard
Acute Health Hazard

SARA 313 Component(s)

TRIMETHYLBENZENE 1,2,4- 36.00 %

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CUMENE 1.50 %
XYLENE 1.00 %
TRIMETHYLBENZENE 1,2,4- 36.00 %
XYLENE 3.00 %
CUMENE 3.00 %

New Jersey RTK Label Information

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC 64742-95-6
TRIMETHYLBENZENE 1,2,4- 95-63-6
TRIMETHYLBENZENE, 1,3,5- 108-67-8
DIETHYLBENZENE 25340-17-4
CUMENE 98-82-8
XYLENE 1330-20-7

Pennsylvania RTK Label Information

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC 64742-95-6
TRIMETHYLBENZENE 1,2,4- 95-63-6
TRIMETHYLBENZENE, 1,3,5- 108-67-8
CUMENE 98-82-8
XYLENE 1330-20-7

Notification status

Australia. Industrial Chemical (Notification and Assessment) Act y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) y (positive listing)
China. Inventory of Existing Chemical Substances y (positive listing)
EU. EINECS y (positive listing)
Korea. Toxic Chemical Control Law (TCCL) List y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act y (positive listing)
US. Toxic Substances Control Act y (positive listing)
Japan. Kashin-Hou Law List y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand y (positive listing)

Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302) 3333 lbs

Reportable quantity-Components

XYLENE 1330-20-7 100 lbs

	HMIS	NFPA
Health	1	1
Flammability	2	2
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.