
Hazard statements	H225 - Highly flammable liquid and vapor H315 - Causes skin irritation H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H373 - May cause damage to organs through prolonged or repeated exposure H304 - May be fatal if swallowed and enters airways
Precautionary statements	
General	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use.
Prevention	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing and eye/face protection P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash hands thoroughly after handling
Response	
General	P308 + P313 - IF exposed or concerned: Get medical advice/attention
Skin	P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P363 - Wash contaminated clothing before reuse P332 + P313 - If skin irritation occurs: Get medical advice/attention
Inhalation	P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P312 - Call a POISON CENTER or doctor if you feel unwell
Ingestion	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P331 - Do NOT induce vomiting
Fire	P370 + P378 - IN CASE OF FIRE: Use CO2, dry chemical, or foam to extinguish
Spill	P391 - Collect spillage
Storage	P405 - Store locked up P403 + P233 - Store in a well-ventilated place. Keep container tightly closed P235 - Keep cool
Disposal	P501 - Dispose of contents/ container to an approved waste disposal plant
Hazard(s) Not Otherwise Classified (HNOC)	Not available.
Physical Hazards Not Otherwise Classified (PHNOC)	None known.
Unknown acute toxicity	Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Naphtha, petroleum, hydrotreated light	64742-49-0	35-45
Distillates, petroleum, light distillate	68410-97-9	35-45
Xylene (mix)	1330-20-7	10-20
Ethyl benzene	100-41-4	5-10
Cumene	98-82-8	<1

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information	Avoid contact with eyes, skin, and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a physician immediately. Keep head below hips if vomiting occurs. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion. Aspiration hazard if swallowed. May enter lungs and cause damage.
Skin contact	Wash area thoroughly with soap and water. Flush area with water for 15 minutes. Remove contaminated clothing and footwear. Seek medical attention if irritation persists.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lenses. If eye irritation persists, consult a specialist.
Most important symptoms (acute)	May cause respiratory irritation. Inhalation can cause central nervous system (CNS) depression. Eye irritation. eye pain, redness, and watering. Causes skin irritation. Repeated exposure may cause skin dryness or cracking. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.
Most important symptoms (over-exposure)	Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, lungs, blood, or central nervous system.
Indication of any immediate medical attention and special treatment needed	NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog. Dry chemical. Carbon dioxide (CO2). Foam. Cool containers / tanks with water spray.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards	Highly flammable liquid and vapor. Vapors are heavier than air and may travel to distant and/or low-lying sources of ignition and flashback. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapors can travel to a source

of ignition and flash back. Closed containers can explode due to buildup of pressure when exposed to extreme heat.

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers. Shut off all ignition sources. Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Report spills as required by local and federal regulations. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Use clean, non-sparking tools to collect spilled material. Absorb with earth, sand, or another dry inert material.

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain liquid and collect with an inert, non-combustible material. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent entry into waterways, sewers, basements, and confined areas. Dispose of absorbent in accordance with local, state and federal regulations. Clean up residue with soap and water.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear suitable eye protection, gloves, and appropriate protective clothing. Avoid contact with eyes, skin, and clothing. Do not breathe vapors or spray mist. Keep away from open flames, hot surfaces and sources of ignition. Store in a cool, dry, and well-ventilated place. Always open containers slowly to allow any excess pressure to vent. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Keep away from direct sunlight. Wash thoroughly after handling. Never taste or swallow product.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Store away from oxidizers. Keep out of reach of children. Follow label directions exactly.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Naphtha, petroleum, hydrotreated light	-			
Distillates, petroleum, light distillate	-			
Xylene (mix)	100 ppm TWA 435 mg/m ³ TWA	100 ppm PEL; 435 mg/m ³ PEL	20 ppm TWA	
Ethyl benzene	TWA: 100 ppm TWA: 435 mg/m ³	5 ppm PEL; 22 mg/m ³ PEL	20 ppm TWA	100 ppm TWA 435 mg/m ³ TWA
Cumene	50 ppm TWA 245 mg/m ³ TWA	50 ppm PEL; 245 mg/m ³ PEL	5 ppm TWA	50 ppm TWA 245 mg/m ³ TWA

Appropriate engineering controls

Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs. A safety shower and eye wash station should be available for emergency use. Local exhaust ventilation may be necessary to control any air contaminants to within their TLV's during the use of this product.

Individual protection measures, such as personal protective equipment

Eye protection	Safety glasses with side-shields.
Skin and body protection	Chemical resistant apron. Protective gloves. Chemical resistant gloves.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Naphtha, petroleum, hydrotreated light	-	-	-	-	-	-	-	-	-	-
Distillates, petroleum, light distillate	-	-	-	-	-	-	-	-	-	-
Xylene (mix)	100 ppm TWA 434 mg/m ³ TWA	100 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA	20 ppm TWA	100 ppm TWAEV 434 mg/m ³ TWAEV	100 ppm TWA
Ethyl benzene	100 ppm TWA 434 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWAEV	100 ppm TWA
Cumene	50 ppm TWA 246 mg/m ³ TWA	25 ppm TWA	5 ppm TWA	50 ppm TWA 246 mg/m ³ TWA	5 ppm TWA	5 ppm TWA	50 ppm TWA	5 ppm TWA	50 ppm TWAEV 246 mg/m ³ TWAEV	50 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear
Odor	Xylene
Odor threshold	Not available
pH	Not available
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Evaporation rate	Not available
Flammability (Solid, Gas)	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available

Vapor pressure	Not available
Vapor density	Not available
Relative density	0.75-0.8
Solubility	Negligible
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Avoid extreme temperatures. Avoid direct sunlight. Heat, flames and sparks. Incompatible materials.
Incompatible materials	Incompatible with oxidizing agents.
Hazardous decomposition products	carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Inhalation. Ingestion. Eyes.
Symptoms	Exposure to high vapor concentrations may cause nervous system effects such as headache, nausea, and dizziness. Irritating to eyes and skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. Vapors may cause drowsiness and dizziness.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Prolonged skin contact may defat the skin and produce dermatitis. May be fatal if swallowed and enters airways. Target Organ Effects: Central nervous system. Eyes. Skin. Respiratory system.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Naphtha, petroleum, hydrotreated light	73680 ppm Rat	> 5000 mg/kg Rat > 4300 mg/kg Rat >3160 mg/kg Rabbit	>5000 mg/kg Rat > 3160 mg/kg Rabbit > 2000 mg/kg Rabbit

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
		>2000 mg/kg Rabbit	
Distillates, petroleum, light distillate	>12408 ppm Rat	= 5170 mg/kg Rat >3000 mg/kg Rabbit	5170 mg/kg Rat > 3000 mg/kg Rabbit
Xylene (mix)	29.08 mg/L Rat >5.04 mg/L Rat	= 3500 mg/kg Rat = 4820 mg/kg Rat >4350 mg/kg Rabbit >2000 mg/kg Rabbit	3500 mg/kg Rat 4820 mg/kg Rat > 1700 mg/kg Rabbit > 4350 mg/kg Rabbit > 2000 mg/kg Rabbit
Ethyl benzene	= 17.2 mg/L (Rat) 4 h	15354 mg/kg (Rabbit)	= 3500 mg/kg (Rat)
Cumene	>3577 ppm Rat	= 1400 mg/kg Rat 12300 µL/kg Rabbit	1400 mg/kg Rat = 12300 µL/kg Rabbit

ATEmix (dermal) Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Naphtha, petroleum, hydrotreated light	-	Group 3	-	-
Distillates, petroleum, light distillate	-	-	-	-
Xylene (mix)	A4	Group 3	-	-
Ethyl benzene	A3	Group 2B	X	-
Cumene	A3	Group 2B	Present	Reasonably Anticipated Carcinogen

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Naphtha, petroleum, hydrotreated light	-	-	-	-	-	-
Distillates, petroleum, light distillate	-	-	-	-	-	-
Xylene (mix)	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Ethyl benzene	-	IARC 2B	ACGIH A3	-	ACGIH A3	C3 Carcinogen
Cumene	-	IARC 2B	ACGIH A3	-	ACGIH A3	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish LC50
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Chemical name	Algae/aquatic plants	Fish LC50
Naphtha, petroleum, hydrotreated light	-	= 258mg/L Salmo gairdneri 96h = 8.41mg/L Oncorhynchus mykiss 96h
Distillates, petroleum, light distillate	-	-
Xylene (mix)	=11mg/L Pseudokirchneriella subcapitata 72h	13.1 - 16.5mg/L Lepomis macrochirus 96h 13.5 - 17.3mg/L Oncorhynchus mykiss 96h 2.661 - 4.093mg/L Oncorhynchus mykiss 96h 23.53 - 29.97mg/L Pimephales promelas 96h 30.26 - 40.75mg/L Poecilia reticulata 96h 7.711 - 9.591mg/L Lepomis macrochirus 96h = 13.4mg/L Pimephales promelas 96h = 19mg/L Lepomis macrochirus 96h = 780mg/L Cyprinus carpio 96h > 780mg/L Cyprinus carpio 96h
Ethyl benzene	=4.6mg/L Pseudokirchneriella subcapitata 72h >438mg/L Pseudokirchneriella subcapitata 96h 2.6 - 11.3mg/L Pseudokirchneriella subcapitata 72h 1.7 - 7.6mg/L Pseudokirchneriella subcapitata 96h =11mg/L Pseudokirchneriella subcapitata 72h	11.0 - 18.0mg/L Oncorhynchus mykiss 96h 7.55 - 11mg/L Pimephales promelas 96h 9.1 - 15.6mg/L Pimephales promelas 96h = 32mg/L Lepomis macrochirus 96h = 4.2mg/L Oncorhynchus mykiss 96h = 9.6mg/L Poecilia reticulata 96h
Cumene	=2.6mg/L Pseudokirchneriella subcapitata 72h	6.04 - 6.61mg/L Pimephales promelas 96h = 2.7mg/L Oncorhynchus mykiss 96h = 4.8mg/L Oncorhynchus mykiss 96h = 5.1mg/L Poecilia reticulata 96h

Persistence and degradability Product is biodegradable.

Bioaccumulation Components in this mixture can bio-accumulate in aquatic organisms

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Naphtha, petroleum, hydrotreated light 64742-49-0	64742-49-0	-	-
Distillates, petroleum, light distillate 68410-97-9	68410-97-9	-	-
Xylene (mix) 1330-20-7	1330-20-7	2.77 - 3.15	0.6 - 15 dimensionless
Ethyl benzene 100-41-4	100-41-4	3.6 at 20 °C [Directive 84/449/EEC, A.8] (at pH 7.84, ECHA_API)	15 dimensionless species: fish
Cumene 98-82-8	98-82-8	3.55 at 23 °C [OECD Guideline 107] (ECHA_API)	35.5 dimensionless species: fish

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose in accordance with local, state and federal regulations. Do not flush to surface water or sanitary sewer system.

Contaminated packaging Do not reuse containers.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No UN1993
Proper shipping name Flammable Liquids, N.O.S. (Petroleum Distillates, Xylene)
Hazard Class(es) 3
Packing group II

TDG

ID-No UN1993
Proper shipping name Flammable Liquids, N.O.S. (Petroleum Distillates, Xylene)
Hazard Class(es) 3
Packing group II

IATA

ID-No UN1993
Proper shipping name Flammable Liquids, N.O.S. (Petroleum Distillates, Xylene)
Hazard Class(es) 3
Packing group II

IMDG/IMO

ID-No UN1993
Proper shipping name Flammable Liquids, N.O.S. (Petroleum Distillates, Xylene)
Hazard Class(es) 3
Packing group II

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Naphtha, petroleum, hydrotreated light	64742-49-0	-	-	-
Distillates, petroleum, light distillate	68410-97-9	-	-	-
Xylene (mix)	1330-20-7	-	-	-
Ethyl benzene	100-41-4	-	-	-
Cumene	98-82-8	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Naphtha, petroleum, hydrotreated light	64742-49-0	X	X	X
Distillates, petroleum, light distillate	68410-97-9	-	-	-
Xylene (mix)	1330-20-7	X	X	X
Ethyl benzene	100-41-4	X	X	X
Cumene	98-82-8	X	X	X

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Naphtha, petroleum, hydrotreated light	64742-49-0	-
Distillates, petroleum, light distillate	68410-97-9	-
Xylene (mix)	1330-20-7	-
Ethyl benzene	100-41-4	Carcinogen
Cumene	98-82-8	Carcinogen

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Naphtha, petroleum, hydrotreated light	64742-49-0	-	-
Distillates, petroleum, light distillate	68410-97-9	-	-
Xylene (mix)	1330-20-7	100 lb 45.4 kg	1.0 %
Ethyl benzene	100-41-4	1000 lb 454 kg	0.1 %
Cumene	98-82-8	5000 lb 2270 kg	0.1 %

US EPA SARA 311/312 hazardous categorization

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

TSCA and Canadian Inventories

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Naphtha, petroleum, hydrotreated light	X	-	X	-
Distillates, petroleum, light distillate	X	-	X	-
Xylene (mix)	X	-	X	-
Ethyl benzene	X	-	X	-
Cumene	X	-	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 2
Flammability 3
Instability 0

HMIS

Health	2
Flammability	3
Physical hazards	0
Personal protection	B

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

- ACGIH (American Conference of Governmental Industrial Hygienists)
- ATE (Average Toxicity Estimate)
- DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
- HMIS (Hazardous Materials Identification System)
- IARC (International Agency for Research on Cancer)
- IATA (International Air Transport Association)
- IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
- NFPA (National Fire Protection Association)
- NTP (National Toxicology Program)
- OEL (Occupational Exposure Level)
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- PEL (Permissible Exposure Limit)
- TSCA (Toxic Substance Control Act)
- USEPA (United States Environmental Protection Agency)

Disclaimer

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.

End of Safety Data Sheet