

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 10.01.2019

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ELI45

SECTION 1: Identification

Product identifier

Product name: ELI45



Recommended use of the product and restriction on use

Relevant identified uses: Not determined or not applicable.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

ET Products LLC
747 Douglas Road
Bremen, IN 46506
800-325-5746

Emergency telephone number:

United States

Chemtrec
800-424-9300 (24/7)

SECTION 2: Hazard(s) identification

GHS classification:

Skin irritation, category 2

Eye irritation, category 2A

Flammable liquids, category 3

Carcinogenicity, category 2

Reproductive toxicity, category 2

Specific target organ toxicity - single exposure, category 1

Specific target organ toxicity - single exposure, category 3, respiratory tract irritation

Specific target organ toxicity - single exposure, category 3, narcotic effects

Specific target organ toxicity - repeated exposure, category 1

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapor

H315 Causes skin irritation

H319 Causes serious eye irritation

H351 Suspected of causing cancer

H361 Suspected of damaging fertility or the unborn child

H370 Causes damage to organs

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H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H372 Causes damage to organs through prolonged or repeated exposure

Precautionary statements:

P264 Wash thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P210 Keep away from heat/sparks/open flames/hot surfaces. 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
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area
P302+P352 IF ON SKIN: Wash with plenty of water
P321 Specific treatment (see supplemental first aid instructions on this label)
P332+P313 If skin irritation occurs: Get medical advice/attention
P362 Take off contaminated clothing and wash it before reuse
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 If eye irritation persists: Get medical advice/attention
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P370+P378 In case of fire: Use agents recommended in section 5 to extinguish
P308+P313 IF exposed or concerned: Get medical advice/attention
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312 Call a POISON CENTER/doctor if you feel unwell
P314 Get medical advice/attention if you feel unwell
P405 Store locked up
P403+P233 Store in a well-ventilated place. Keep container tightly closed
P501 Dispose of contents/container in accordance with local regulations

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 64742-95-6	Solvent naphtha (petroleum), light arom.	<27.774
CAS number: 25551-13-7	Trimethylbenzene	3.0858-13.887
CAS number: 64742-94-5	Solvent naphtha (petroleum), heavy arom.	2.874937-2.563185
CAS number: 178535-25-6	Benzene, ethylenated residues, distn. lights	2.874937-9.713185

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CAS number: 95-63-6	1, 2, 4-Trimethylbenzene	1.23432-7. 586
CAS number: 91-20-3	Naphthalene	0.282865-4 .517585
CAS number: 102-25-0	1,3,5-triethylbenzene	0.061716-3 .232585
CAS number: 1330-20-7	Xylene	0.123432-0 .83322
CAS number: 98-82-8	Cumene	0.123432-0 .83322
CAS number: 25155-15-1	Cymene	0.061716-0 .41661
CAS number: 71-43-2	Benzene	<0.001543
CAS number: 104-51-8	Butylbenzene	<0.257
CAS number: 526-73-8	Benzene, 1,2,3-trimethyl-	<0.6425
CAS number: 1074-43-7	3-Propyltoluene	<0.771
CAS number: 95-93-2	1,2,4,5-Tetramethylbenzene	<1.285
CAS number: 527-53-7	1,2,3,5-Tetramethylbenzene	<1.9275
CAS number: 108-38-3	m-Xylene	7-13.8
CAS number: 106-42-3	p-Xylene	2-6
CAS number: 100-41-4	Ethyl Benzene	2-5.7
CAS number: 108-88-3	Toluene	<0.15

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

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After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After eye contact:

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Symptoms may include irritation, redness, pain, inflammation, itching, burning and tearing.

Product is highly flammable and may cause physical injury.

Causes damage to organs.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

Suspected of causing cancer.

Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Causes damage to organs through prolonged or repeated exposure.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Alcohol- resistant foam, Dry chemical or Carbon dioxide

Unsuitable extinguishing media:

Do not use water jet as an extinguisher.

Specific hazards during fire-fighting:

Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

Special precautions:

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Avoid inhaling gases, fumes, mist, dust, vapor or aerosols. Avoid contact with eyes, skin, hair or clothing. Eliminate all sources of ignition, heat, flames and other sources of heat

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

Avoid contact with eyes, skin and clothing. Eliminate all sources of ignition.

Use spark-proof tools and explosion-proof equipment and provide adequate ventilation.

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Isolate and post spill area. Remove all sources of ignition. Ventilate the area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8

Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Avoid discharge into drains, water courses or onto the ground. Prevent further leakage if safe to do so. Inform authorities if spill cannot be contained.

Methods and material for containment and cleaning up:

Carefully sweep material into a designated PLASTIC waste container. Collect in plastic containers only.

Remove all sources of ignition, contain and collect spill. Absorb with a noncombustible absorbent material such as sand and containerize for disposal.

Vacuum or sweep up material and place into a suitable disposal container. Wear a self-contained breathing apparatus and appropriate personal protection. Provide ventilation.

Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb reinstated and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

Reference to other sections:

See Section 13 for waste disposal.

For further information refer to section 7 and section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Avoid skin and eye contact and breathing in vapor. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke. Take precautionary measures against static discharges. Wash hands thoroughly after handling.

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

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Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use
 Store in cool location. Keep away from food and beverages. Protect from freezing and physical damage.
 Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Solvent naphtha (petroleum), light arom.	64742-95-6	REL: 100 ppm (10-hour workday during a 40-hour workweek)
	Trimethylbenzene	25551-13-7	REL: 125 mg/m ³ (25 ppm)
	Solvent naphtha (petroleum), heavy arom.	64742-94-5	REL: 100 mg/m ³ (NIOSH Recommended exposure limit REL [for up to a 10-hour workday during a 40-hour workweek])
	Benzene, ethylenated residues, distn. lights	178535-25-6	REL: 400 mg/m ³ (100 ppm)
	Benzene, ethylenated residues, distn. lights	178535-25-6	IDLH: 1000 ppm
	1, 2, 4-Trimethylbenzene	95-63-6	REL: 25 ppm
	1, 2, 4-Trimethylbenzene	95-63-6	REL: 125 mg/m ³
	Naphthalene	91-20-3	TWA: 10 ppm
	Naphthalene	91-20-3	TWA: 50 mg/m ³
	Naphthalene	91-20-3	STEL: 15 ppm
	Naphthalene	91-20-3	STEL: 75 mg/m ³
	Xylene	1330-20-7	REL: 435 mg/m ³
	Xylene	1330-20-7	REL: 100 ppm
	Xylene	1330-20-7	REL: 655 mg/m ³
	Xylene	1330-20-7	REL: 150 ppm
	Cumene	98-82-8	REL: 50 ppm
	Benzene	71-43-2	REL: 0.1 ppm
	Benzene	71-43-2	STEL: 1 ppm
	Benzene	71-43-2	IDLH: 500 ppm
	Benzene, 1,2,3-trimethyl-	526-73-8	REL: 25 ppm
	Benzene, 1,2,3-trimethyl-	526-73-8	REL: 125 mg/m ³
	Benzene, 1,2,3-trimethyl-	526-73-8	REL: 125 mg/m ³ ([for up to a 10-hour workday during a 40-hour workweek])
	Benzene, 1,2,3-trimethyl-	526-73-8	REL: 25 ppm ([for up to a 10-hour workday during a 40-hour workweek])
	m-Xylene	108-38-3	REL: 435 mg/m ³ (100 ppm)
	m-Xylene	108-38-3	STEL: 655 mg/m ³ (150 ppm)
	p-Xylene	106-42-3	REL: 435 mg/m ³ (100 ppm)
p-Xylene	106-42-3	STEL: 655 mg/m ³ (150 ppm)	

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Ethyl Benzene	100-41-4	REL: 435 mg/m ³ ((TWA) (100 ppm))
	Ethyl Benzene	100-41-4	STEL: 125 ppm
	Toluene	108-88-3	TWA: 375 mg/m ³ (100 ppm)
	Toluene	108-88-3	STEL: 560 mg/m ³ (150 ppm)
United States	Solvent naphtha (petroleum), light arom.	64742-95-6	PEL: 100 ppm (OSHA Z-1 PEL: 100 ppm / 400 mg/m ³ .)
	Toluene	108-88-3	PEL: 300 ppm (Ceiling)
	Toluene	108-88-3	PEL: 200 ppm (TWA)
	Toluene	108-88-3	PEL: 500 ppm (Peak 10 mins)
ACGIH	Trimethylbenzene	25551-13-7	Daily Exposure Limit: 25 ppm (TLV-TWA)
	Solvent naphtha (petroleum), heavy arom.	64742-94-5	8-Hour TWA: 200 mg/m ³
	1, 2, 4-Trimethylbenzene	95-63-6	8-Hour TWA: 25 ppm
	Naphthalene	91-20-3	TWA: 10 ppm
	Naphthalene	91-20-3	STEL: 15 ppm
	Xylene	1330-20-7	TWA: 100 ppm
	Xylene	1330-20-7	STEL: 150 ppm
	Cumene	98-82-8	TWA: 50 ppm
	Benzene	71-43-2	8-Hour TWA: 0.5 ppm
	Benzene	71-43-2	15-Minute STEL: 2.5 ppm
	Benzene, 1,2,3-trimethyl-	526-73-8	TWA: 25 ppm
	Benzene, 1,2,3-trimethyl-	526-73-8	TWA Exposure Limit Value: 25 ppm (8-Hour)
	m-Xylene	108-38-3	8-Hour TWA: 100 ppm (TLV-TWA)
	m-Xylene	108-38-3	15-Minute STEL: 150 ppm
	p-Xylene	106-42-3	8-Hour TWA: 100 ppm (TLV-TWA)
	p-Xylene	106-42-3	15-Minute STEL: 150 ppm
	Toluene	108-88-3	TWA: 20 ppm
OSHA	Trimethylbenzene	25551-13-7	REL: 125 mg/m ³ (25 ppm)
	Benzene, ethylenated residues, distn. lights	178535-25-6	TWA: 400 mg/m ³ (100 ppm)
	1, 2, 4-Trimethylbenzene	95-63-6	TWA: 25 ppm
	1, 2, 4-Trimethylbenzene	95-63-6	TWA: 125 mg/m ³
	Naphthalene	91-20-3	TWA: 10 ppm
	Naphthalene	91-20-3	TWA: 50 mg/m ³
	Xylene	1330-20-7	TWA: 435 mg/m ³
	Xylene	1330-20-7	PEL: 100 ppm
	Xylene	1330-20-7	STEL: 150 ppm
	Xylene	1330-20-7	STEL: 655 mg/m ³
	Cumene	98-82-8	8-Hour TWA-PEL: 50 ppm
	Benzene	71-43-2	TWA: 1 ppm
	Benzene	71-43-2	STEL: 5 ppm

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Benzene, 1,2,3-trimethyl-	526-73-8	TWA: 125 mg/m ³
	Benzene, 1,2,3-trimethyl-	526-73-8	TWA: 25 ppm
	m-Xylene	108-38-3	TWA: 435 mg/m ³ (100 ppm)
	m-Xylene	108-38-3	STEL: 655 mg/m ³ (150 ppm)
	p-Xylene	106-42-3	TWA: 435 mg/m ³ (100 ppm)
	p-Xylene	106-42-3	STEL: 655 mg/m ³ (150 ppm)
	Ethyl Benzene	100-41-4	PEL: 435 mg/m ³ ((TWA) (100 ppm))
United States(California)	Naphthalene	91-20-3	PEL: 0.1 ppm
	Naphthalene	91-20-3	PEL: 0.5 mg/m ³

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Effective ventilation in all processing areas.

Use local exhaust ventilation to maintain airborne concentrations below the TLV.

Personal protection equipment

Eye and face protection:

Safety goggles or safety glasses with side shields

Skin and body protection:

Chemical resistant clothing, Chemical resistant gloves

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday. Appropriate techniques should be applied to remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Clear, amber liquid
Odor	Not determined or not available
Odor threshold	Not determined or not available
pH	Not determined or not available
Melting point/freezing point	Not determined or not available
Initial boiling point/range	Not determined or not available
Flash point (closed cup)	>120°F
Evaporation rate	Not determined or not available
Flammability (solid, gas)	Not determined or not available
Upper flammability/explosive limit	Not determined or not available

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Lower flammability/explosive limit	Not determined or not available
Vapor pressure	Not determined or not available
Vapor density	Not determined or not available
Density	Not determined or not available
Relative density	0.87 - 0.97
Solubilities	Not determined or not available
Partition coefficient (n-octanol/water)	Not determined or not available
Auto/Self-ignition temperature	Not determined or not available
Decomposition temperature	Not determined or not available
Dynamic viscosity	Not determined or not available
Kinematic viscosity	Not determined or not available
Explosive properties	Not determined or not available
Oxidizing properties	Not determined or not available

Other information

SECTION 10: Stability and reactivity

Reactivity:

Stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability:

Stable under recommended storage and handling conditions.

Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid:

Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible materials:

Strong oxidizing agents and strong acids.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Carbon oxides (COx).

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Solvent naphtha (petroleum), heavy arom.	oral	LD50 Rat: >5000 mg/kg
1, 2, 4-Trimethylbenzene	inhalation	LC50 Rat: 18,000 mg/m ³
	oral	LD50 Rat: 6000 mg/kg
Naphthalene	oral	LD50 Mouse: 316 mg/kg
Xylene	dermal	LD50 Rabbit: 1700 mg/kg
	inhalation	LC50 Rat: 5000 ppmV (4 h)
	oral	LD50 Mouse: 5251 mg/kg

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Name	Route	Result
Cumene	oral	LD50 Mouse: 12,750 mg/kg
	dermal	LD50 Rabbit: 10,600 mg/kg
1,2,4,5-Tetramethylbenzene	oral	LD50 Rat: 6989 mg/kg
1,2,3,5-Tetramethylbenzene	oral	LD50 Rat: 5157 mg/kg
m-Xylene	inhalation	LC50 Rat: 57922 mg/L (4 Hrs)
p-Xylene	inhalation	LC50 Rat: 57922 mg/L (4 Hrs)
Ethyl Benzene	inhalation	LC50 Rat: 4000 ppmV (4 h)
	oral	LD50 Rat: 5460 mg/kg
	dermal	LD50 Rabbit: 17,800 mg/kg
Toluene	oral	LD50 Rat: 5000 mg/kg
	dermal	LD50 Rabbit: 12,000 mg/kg
	inhalation	LC50 Rat: 25.7 mg/L

Skin corrosion/irritation

Assessment:

Causes skin irritation.

Product data:

No data available.

Substance data:

Name	Result
Trimethylbenzene	Causes skin irritation.
Benzene, ethylenated residues, distn. lights	Causes skin irritation
1, 2, 4-Trimethylbenzene	Causes skin irritation.
1,3,5-triethylbenzene	Causes skin irritation.
Xylene	Causes skin irritation.
Benzene	Causes skin irritation.
Butylbenzene	Causes skin irritation
Benzene, 1,2,3-trimethyl-	Causes skin irritation.
m-Xylene	Causes skin irritation.
p-Xylene	Causes skin irritation.
Toluene	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye irritation.

Product data:

No data available.

Substance data:

Name	Result
Trimethylbenzene	Causes serious eye irritation.
Benzene, ethylenated residues, distn. lights	Causes serious eye irritation.
1, 2, 4-Trimethylbenzene	Causes serious eye irritation.

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Name	Result
1,3,5-triethylbenzene	Causes serious eye irritation.
Benzene	Causes serious eye irritation.
Butylbenzene	Causes serious eye irritation
Benzene, 1,2,3-trimethyl-	Causes serious eye irritation.
1,2,3,5-Tetramethylbenzene	Irritating effect on the eyes.
m-Xylene	Causes serious eye irritation.
p-Xylene	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment:

Suspected of causing cancer.

Product data: No data available.

Substance data:

Name	Species	Result
Solvent naphtha (petroleum), light arom.	Not applicable.	Component may cause cancer.
Naphthalene		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Naphthalene	Group 2B
Xylene	Group 3
Cumene	Group 2B
Ethyl Benzene	Group 2B
Toluene	Group 3

National Toxicology Program (NTP):

Name	Classification
Naphthalene	Reasonably anticipated to be human carcinogens
Cumene	Reasonably anticipated to be human carcinogens

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Solvent naphtha (petroleum), light arom.	May cause genetic defects.
Benzene	May cause genetic defects.

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Reproductive toxicity

Assessment:

Suspected of damaging fertility or the unborn child.

Product data:

No data available.

Substance data:

Name	Result
Toluene	Suspected of damaging the unborn child.

Specific target organ toxicity (single exposure)

Assessment:

Causes damage to organs.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Product data:

No data available.

Substance data:

Name	Result
1, 2, 4-Trimethylbenzene	May cause respiratory irritation.
Cumene	May cause respiratory irritation to the upper respiratory tract via inhalation exposure.
m-Xylene	May cause respiratory irritation.
p-Xylene	May cause respiratory irritation.
Ethyl Benzene	Specific Target Organ Toxicity, Repeated Exposure - May cause damage to hearing organs through prolonged or repeated exposure.
Toluene	May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure)

Assessment:

Causes damage to organs through prolonged or repeated exposure.

Product data:

No data available.

Substance data:

Name	Result
Benzene	Causes damage to Haematopoietic system through prolonged or repeated inhalation and oral exposure.
Toluene	May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Solvent naphtha (petroleum), heavy arom.	May be fatal if swallowed and enters airways.
Cumene	May be fatal if swallowed and enters airways.

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Name	Result
Cymene	May be fatal if swallowed and enters airways.
Benzene	May be fatal if swallowed and enters airways.
m-Xylene	May be fatal if swallowed and enters airways.
p-Xylene	May be fatal if swallowed and enters airways.
Toluene	May be fatal if swallowed and enters airways.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Naphthalene	LC50 Opossum Shrimp: 0.85 mg/L (96h)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
1, 2, 4-Trimethylbenzene	LC50 Pimephales promelas: 7.72 mg/L (96h)
Cumene	LC50 Cyprinodon variegatus: 4.7 mg/L (96 hr) EC50 Daphnia magna: 2.14 mg/L (48 hr)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
1, 2, 4-Trimethylbenzene	Readily biodegradable, but failing 10-day window.
Xylene	Readily biodegradable in water.
Cumene	Readily biodegradable in water.
Benzene	Readily biodegradable.
p-Xylene	Readily biodegradable.
Toluene	Readily biodegradable in water.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Xylene	BCF: >8.1 - <25.9

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Name	Result
Cumene	Calculated BCF: 94.69 L/kg (low potential for bioconcentration is to be expected)
p-Xylene	BCF: 25.9
Toluene	BCF: 90

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
1, 2, 4-Trimethylbenzene	Slightly Mobile (log Koc: 3.04)
Xylene	Moderately Mobile (Log Koc: 2.73)
Cumene	Moderately Mobile (Calculated log Koc: 2.946)
Toluene	Moderately Mobile (Calculated Koc: 205)

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:


It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	NA 1993
UN proper shipping name	Combustible liquid, n.o.s Solvent Naphtha, Trimethylbenzene
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None
Special precautions for user	None
Additional Information	Pursuant to 49 CFR 173.120(b)(2) and 49 CFR 173.150(f), flammable liquid with a flash point at or above 100 degreesfahrenheit may be reclassified as a combustible liquid for transportation within the U.S. by motor vehicle or rail only. This material is not regulated for US DOT transportation in quantities less than 119 gallons

International Maritime Dangerous Goods (IMDG)

UN number	This product is not shipped under this Transport Mode
UN proper shipping name	This product is not shipped under this Transport Mode
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None

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Special precautions for user	None
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International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	This product is not shipped under this Transport Mode
UN proper shipping name	This product is not shipped under this Transport Mode
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

64742-95-6	Solvent naphtha (petroleum), light arom.	Listed
25551-13-7	Trimethylbenzene	Listed
64742-94-5	Solvent naphtha (petroleum), heavy arom.	Listed
178535-25-6	Benzene, ethylenated residues, distn. lights	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
91-20-3	Naphthalene	Listed
102-25-0	1,3,5-triethylbenzene	Listed
1330-20-7	Xylene	Listed
98-82-8	Cumene	Listed
25155-15-1	Cymene	Listed
71-43-2	Benzene	Listed
104-51-8	Butylbenzene	Listed
526-73-8	Benzene, 1,2,3-trimethyl-	Listed
1074-43-7	3-Propyltoluene	Listed
95-93-2	1,2,4,5-Tetramethylbenzene	Listed
527-53-7	1,2,3,5-Tetramethylbenzene	Listed
108-38-3	m-Xylene	Listed
106-42-3	p-Xylene	Listed
100-41-4	Ethyl Benzene	Listed
108-88-3	Toluene	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

64742-95-6	Solvent naphtha (petroleum), light arom.	Not Listed
25551-13-7	Trimethylbenzene	Not Listed

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64742-94-5	Solvent naphtha (petroleum), heavy arom.	Not Listed
178535-25-6	Benzene, ethylenated residues, distn. lights	Not Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
91-20-3	Naphthalene	Not Listed
102-25-0	1,3,5-triethylbenzene	Not Listed
1330-20-7	Xylene	Listed
98-82-8	Cumene	Listed
25155-15-1	Cymene	Not Listed
71-43-2	Benzene	Listed
104-51-8	Butylbenzene	Not Listed
526-73-8	Benzene, 1,2,3-trimethyl-	Not Listed
1074-43-7	3-Propyltoluene	Not Listed
95-93-2	1,2,4,5-Tetramethylbenzene	Not Listed
527-53-7	1,2,3,5-Tetramethylbenzene	Not Listed
108-38-3	m-Xylene	Listed
106-42-3	p-Xylene	Not Listed
100-41-4	Ethyl Benzene	Listed
108-88-3	Toluene	Listed

CERCLA:

91-20-3	Naphthalene	Listed	100
1330-20-7	Xylene	Listed	100
98-82-8	Cumene	Listed	5000
71-43-2	Benzene	Listed	10 Lbs
108-38-3	m-Xylene	Listed	1000
106-42-3	p-Xylene	Listed	1000
100-41-4	Ethyl Benzene	Listed	1000
108-88-3	Toluene	Listed	1000

RCRA:

91-20-3	Naphthalene	Listed	U165
1330-20-7	Xylene	Listed	U239
98-82-8	Cumene	Listed	U055
71-43-2	Benzene	Listed	U019
108-38-3	m-Xylene	Listed	U239
106-42-3	p-Xylene	Listed	U239

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100-41-4	Ethyl Benzene	Listed	F003
108-88-3	Toluene	Listed	U220

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

64742-95-6	Solvent naphtha (petroleum), light arom.	Listed
25551-13-7	Trimethylbenzene	Listed
64742-94-5	Solvent naphtha (petroleum), heavy arom.	Listed
178535-25-6	Benzene, ethylenated residues, distn. lights	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
91-20-3	Naphthalene	Listed
102-25-0	1,3,5-triethylbenzene	Not Listed
1330-20-7	Xylene	Listed
98-82-8	Cumene	Listed
25155-15-1	Cymene	Not Listed
71-43-2	Benzene	Listed
104-51-8	Butylbenzene	Listed
526-73-8	Benzene, 1,2,3-trimethyl-	Listed
1074-43-7	3-Propyltoluene	Not Listed
95-93-2	1,2,4,5-Tetramethylbenzene	Not Listed
527-53-7	1,2,3,5-Tetramethylbenzene	Not Listed
108-38-3	m-Xylene	Listed
106-42-3	p-Xylene	Listed
100-41-4	Ethyl Benzene	Listed
108-88-3	Toluene	Listed

New Jersey Right to Know:

64742-95-6	Solvent naphtha (petroleum), light arom.	Listed
25551-13-7	Trimethylbenzene	Listed
64742-94-5	Solvent naphtha (petroleum), heavy arom.	Listed
178535-25-6	Benzene, ethylenated residues, distn. lights	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
91-20-3	Naphthalene	Listed
102-25-0	1,3,5-triethylbenzene	Not Listed
1330-20-7	Xylene	Listed
98-82-8	Cumene	Listed
25155-15-1	Cymene	Listed
71-43-2	Benzene	Listed
104-51-8	Butylbenzene	Listed
526-73-8	Benzene, 1,2,3-trimethyl-	Listed

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1074-43-7	3-Propyltoluene	Not Listed
95-93-2	1,2,4,5-Tetramethylbenzene	Not Listed
527-53-7	1,2,3,5-Tetramethylbenzene	Not Listed
108-38-3	m-Xylene	Listed
106-42-3	p-Xylene	Listed
100-41-4	Ethyl Benzene	Listed
108-88-3	Toluene	Listed

New York Right to Know:

64742-95-6	Solvent naphtha (petroleum), light arom.	Not Listed
25551-13-7	Trimethylbenzene	Listed
64742-94-5	Solvent naphtha (petroleum), heavy arom.	Listed
178535-25-6	Benzene, ethylenated residues, distn. lights	Not Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
91-20-3	Naphthalene	Listed
102-25-0	1,3,5-triethylbenzene	Not Listed
1330-20-7	Xylene	Listed
98-82-8	Cumene	Listed
25155-15-1	Cymene	Listed
71-43-2	Benzene	Listed
104-51-8	Butylbenzene	Listed
526-73-8	Benzene, 1,2,3-trimethyl-	Listed
1074-43-7	3-Propyltoluene	Not Listed
95-93-2	1,2,4,5-Tetramethylbenzene	Not Listed
527-53-7	1,2,3,5-Tetramethylbenzene	Not Listed
108-38-3	m-Xylene	Listed
106-42-3	p-Xylene	Listed
100-41-4	Ethyl Benzene	Listed
108-88-3	Toluene	Listed

Pennsylvania Right to Know:

64742-95-6	Solvent naphtha (petroleum), light arom.	Listed
25551-13-7	Trimethylbenzene	Listed
64742-94-5	Solvent naphtha (petroleum), heavy arom.	Listed
178535-25-6	Benzene, ethylenated residues, distn. lights	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
91-20-3	Naphthalene	Listed

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102-25-0	1,3,5-triethylbenzene	Not Listed
1330-20-7	Xylene	Listed
98-82-8	Cumene	Listed
25155-15-1	Cymene	Not Listed
71-43-2	Benzene	Listed
104-51-8	Butylbenzene	Listed
526-73-8	Benzene, 1,2,3-trimethyl-	Listed
1074-43-7	3-Propyltoluene	Not Listed
95-93-2	1,2,4,5-Tetramethylbenzene	Not Listed
527-53-7	1,2,3,5-Tetramethylbenzene	Not Listed
108-38-3	m-Xylene	Listed
106-42-3	p-Xylene	Listed
100-41-4	Ethyl Benzene	Listed
108-88-3	Toluene	Listed

California Proposition 65:

⚠️ WARNING: This product can expose you to chemicals including Naphthalene, Cumene and Ethyl Benzene; which are known to the State of California to cause cancer; and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠️ WARNING: This product can expose you to Benzene; which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet