



Univar USA Inc Safety Data Sheet

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SDS No:

Version No:

Order No:

3075 Highland Pkwy, Ste 200, Downers Grove, IL 60515  
(425) 889 3400

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Emergency Assistance

For emergency assistance involving chemicals call  
Chemtrec - (800) 424-9300



Univar  
3075 Highland Pkwy STE 200  
Downers Grove, IL 60515  
425-889-3400

## SAFETY DATA SHEET

### 1. Identification

**Product identifier:** TOLUENE

**Other means of identification**

**SDS number:** 000100000042

**Recommended use and restriction on use**

**Recommended use:** Reserved for industrial and professional use.

**Restrictions on use:** Not known.

**Emergency telephone number:**For emergency assistance Involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

### 2. Hazard(s) identification

**Hazard classification**

**Physical hazards**

Flammable liquids Category 2

**Health hazards**

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Carcinogenicity Category 2

Toxic to reproduction Category 2

**Environmental hazards**Acute hazards to the aquatic environment Category 2

**Label elements**

**Hazard symbol**

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**Signal word**

Danger

**Hazard statement**

Highly flammable liquid and vapor.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Toxic to aquatic life.

**Precautionary statement**

**Prevention**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Take off contaminated clothing and wash before reuse.

**Storage**

Store in well-ventilated place. Store locked up.

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**Disposal**

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification**

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**3. Composition/information on ingredients**

**Substances**

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Toluene		108-88-3	99 - 100%
Benzene		71-43-2	0 - 0.025%
Ethylbenzene		100-41-4	0 - 0.1%
Cumene		98-82-8	0 - 0%
Naphthalene		91-20-3	0 - 0%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. First-aid measures**

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately. Never give liquid to an unconscious person.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.

**Skin contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Eye contact:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** No data available.

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**5. Fire-fighting measures**

**General fire hazards:** No data available.  
**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use: Dry powder, carbon dioxide, foam. Water fog.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** No data available.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** No data available.

**Methods and material for containment and cleaning up:** All equipment used when handling the product must be grounded. Eliminate sources of ignition. Absorb spillage with non-combustible, absorbent material. Dike for later disposal. Prevent runoff from entering drains, sewers, or streams.

**7. Handling and storage**

**Precautions for safe handling:** Flammable/combustible - Keep away from oxidizers, heat and flames. Avoid contact with skin and eyes. Avoid breathing mists or vapors. Use only with adequate ventilation.

**Conditions for safe storage, including any incompatibilities:** No data available.

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**8. Exposure controls/personal protection**

**Control parameters**

**Occupational exposure limits**

Chemical identity	Type	Exposure Limit values	Source
Toluene	TWA	20 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	100 ppm 375 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	150 ppm 560 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	100 ppm 375 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	150 ppm 560 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceiling	300 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	200 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	MAX. CONC	500 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm 375 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm 580 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL	1,200 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	3,470 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	920 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	330 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	Ceiling	500 ppm	US. California Code of Regulations,

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			Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA PEL	10 ppm 37 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	150 ppm 560 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Ethylbenzene	TWA	20 ppm	US. ACGIH Threshold Limit Values (03 2013)
	STEL	125 ppm 545 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm 435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm 435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm 435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	125 ppm 545 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm 435 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	125 ppm 545 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL	570 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	740 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	170 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	135 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	100 ppm 435 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne

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			Contaminants (02 2012)
	STEL	125 ppm 545 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Benzene	TWA	0.5 ppm	US. ACGIH Threshold Limit Values (03 2013)
	STEL	2.5 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	0.1 ppm	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	1 ppm	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	1 ppm	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) (03 2012)
	STEL	5 ppm	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) (03 2012)
	OSHA_A CT	0.5 ppm	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) (03 2012)
	TWA	1 ppm	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	5 ppm	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	MAX. CONC	50 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	10 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	Ceiling	25 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	Ceiling	50 ppm	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	25 ppm	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	10 ppm	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	54 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental



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			Quality) (02 2013)
	AN ESL	1.4 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	4.5 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	170 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	1 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	5 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA A LV	0.5 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)

**Biological limit values**

Chemical identity	Exposure Limit values	Source
Toluene (o-Cresol, with hydrolysis: Sampling time: End of shift.)	0.3 mg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Toluene (toluene: Sampling time: Prior to last shift of work week.)	0.02 mg/l (Blood)	ACGIH BEL (03 2013)
Toluene (toluene: Sampling time: End of shift.)	0.03 mg/l (Urine)	ACGIH BEL (03 2013)
Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift at end of work week.)	0.7 g/g (Creatinine in urine)	ACGIH BEL (03 2013)

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Benzene (t,t-Muconic acid: Sampling time: End of shift.)	500 µg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Benzene (S-Phenylmercapturic acid: Sampling time: End of shift.)	25 µg/g (Creatinine in urine)	ACGIH BEL (03 2013)

**Appropriate engineering controls** No data available.

**Individual protection measures, such as personal protective equipment**

**General information:** Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Eye/face protection:** Wear goggles/face shield.

**Skin protection**

**Hand protection:** Chemical resistant gloves

**Other:** Chemical resistant clothing

**Respiratory protection:** In case of inadequate ventilation use suitable respirator.

**Hygiene measures:** When using do not eat, drink or smoke. Wash thoroughly after handling.

**9. Physical and chemical properties**

**Physical state:** Liquid  
**Form:** No data available.  
**Color:** No data available.  
**Odor:** No data available.  
**Odor threshold:** No data available.  
**pH:** No data available.  
**Melting point/freezing point:** -95 °C  
**Initial boiling point and boiling range:** 110 °C  
**Flash Point:** 4 °C  
**Evaporation rate:** No data available.  
**Flammability (solid, gas):** No data available.

**Upper/lower limit on flammability or explosive limits**

**Flammability limit - upper (%):** No data available.

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<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

#### 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible materials:</b>	No data available.
<b>Hazardous decomposition products:</b>	No data available.

#### 11. Toxicological information

##### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

##### Information on toxicological effects

###### Acute toxicity (list all possible routes of exposure)

<b>Oral</b>	
<b>Product:</b>	ATEmix (): 2,600 mg/kg
<b>Dermal</b>	

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<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Inhalation</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Toluene	LC 50 (Rat, 4 h): 8,000 mg/l
<b>Specified substance(s):</b>	
Benzene	LC 50 (Rat, 7 h): 10,000 mg/l
<b>Specified substance(s):</b>	
Cumene	LC 50 (Mouse, ): 17.6 mg/l (, No) 2 (reliable with restrictions)
<b>Repeated dose toxicity</b>	
<b>Product:</b>	No data available.
<b>Skin corrosion/irritation</b>	
<b>Product:</b>	No data available.
<b>Serious eye damage/eye irritation</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Ethylbenzene	Exposure to 21.5 g/m <sup>3</sup> (5000 ppm) ethylbenzene for a few seconds gives intolerable irritation of nose, eyes, and throat Exposure to a concentration of 5000 ppm causes intolerable irritation of the eyes Concentration of 200 ppm causes irritation of eyes
<b>Specified substance(s):</b>	
Naphthalene	At concentrations of 15 ppm in air.
<b>Respiratory or skin sensitization</b>	
<b>Product:</b>	No data available.
<b>Carcinogenicity</b>	
<b>Product:</b>	No data available.

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**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

Ethylbenzene Overall evaluation: 2B. Possibly carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ cell mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific target organ toxicity - single exposure**

**Product:** No data available.

**Specific target organ toxicity - repeated exposure**

**Product:** No data available.

**Aspiration hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Toluene LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 24 h): 6.26 - 8.4 mg/l Mortality LC 50 (Pink salmon (Oncorhynchus gorbuscha), 24 h): 6.97 - 8.62 mg/l Mortality LC 50 (Pink salmon (Oncorhynchus gorbuscha), 24 h): 7.45 - 8.75 mg/l Mortality LC 50 (Medaka, high-eyes (Oryzias latipes), 24 h): 80 mg/l Mortality LC 50 (Zebra danio (Danio rerio), 24 h): > 100 mg/l Mortality

Benzene LC 50 (Fathead minnow (Pimephales promelas), 48 h): 26.74 - 43.67 mg/l Mortality LC 50 (Medaka, high-eyes (Oryzias latipes), 24 h): 54 mg/l

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Mortality LC 50 (Guppy (Poecilia reticulata), 48 h): 28.63 - 54.43 mg/l  
Mortality LC 50 (Bluegill (Lepomis macrochirus), 24 h): 343 - 981 mg/l  
Mortality LC 50 (Medaka, high-eyes (Oryzias latipes), 24 h): 70 mg/l  
Mortality

Cumene LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): 2.7 mg/l Mortality LC 50 (Guppy (Poecilia reticulata), 96 h): 5.1 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 96 h): 6.04 - 6.61 mg/l Mortality LC 50 (Carp (Leuciscus idus melanotus), 48 h): 207 mg/l Mortality LC 50 (Carp (Leuciscus idus melanotus), 48 h): 47 mg/l Mortality

Naphthalene LC 50 (Fathead minnow (Pimephales promelas), 24 h): 7.39 - 8.14 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 48 h): 5.95 - 6.77 mg/l Mortality LC 50 (Pink salmon (Oncorhynchus gorbuscha), 96 h): 1.22 - 2.8 mg/l Mortality

**Aquatic invertebrates**

**Product:** No data available.

**Specified substance(s):**

Toluene LC 50 (Water flea (Daphnia magna), 24 h): 240 - 420 mg/l Mortality LC 50 (Brine shrimp (Artemia salina), 24 h): 33 mg/l Mortality LC 50 (Water flea (Daphnia magna), 24 h): 470 mg/l Mortality LC 50 (Brine shrimp (Artemia sp.), 24 h): 42.8 - 63.8 mg/l Mortality LC 50 (Rotifer (Brachionus plicatilis), 24 h): 519.5 - 585.7 mg/l Mortality

Benzene LC 50 (Water flea (Daphnia cucullata), 48 h): 356 mg/l Mortality LC 50 (Water flea (Daphnia magna), 48 h): 356 mg/l Mortality LC 50 (Pacific oyster (Crassostrea gigas), 48 h): 377 mg/l Mortality LC 50 (Water flea (Daphnia cucullata), 48 h): 390 mg/l Mortality LC 50 (Water flea (Daphnia magna), 48 h): 400 mg/l Mortality

Cumene LC 50 (Brine shrimp (Artemia salina), 24 h): 110 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): 1.4 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 24 h): 1 - 1.97 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 48 h): 7.9 - 14.1 mg/l Intoxication EC 50 (Brine shrimp (Artemia sp.), 48 h): 3.55 - 11.29 mg/l Intoxication

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic invertebrates**

**Product:** No data available.

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<b>Toxicity to Aquatic Plants</b>	
<b>Product:</b>	No data available.
<b>Persistence and degradability</b>	
<b>Biodegradation</b>	
<b>Product:</b>	No data available.
<b>BOD/COD ratio</b>	
<b>Product:</b>	No data available.
<b>Bioaccumulative potential</b>	
<b>Bioconcentration factor (BCF)</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Toluene	Green algae ( <i>Chlorella fusca</i> ), Bioconcentration factor (BCF): 380 (Not reported) Green algae ( <i>Selenastrum capricornutum</i> ), Bioconcentration factor (BCF): 3,016 (Static) Green algae ( <i>Chlorella fusca vacuolata</i> ), Bioconcentration factor (BCF): 380 (Static) Shore crab ( <i>Hemigrapsus nudus</i> ), Bioconcentration factor (BCF): 31 (Flow through) Ide, silver or golden orfe ( <i>Leuciscus idus</i> ), Bioconcentration factor (BCF): 94 (Not reported)
Benzene	Rotifer ( <i>Brachionus plicatilis</i> ), Bioconcentration factor (BCF): 100 (Static) Northern anchovy ( <i>Engraulis mordax</i> ), Bioconcentration factor (BCF): 34.3 (Static) Northern anchovy ( <i>Engraulis mordax</i> ), Bioconcentration factor (BCF): 30 (Static) Striped bass ( <i>Morone saxatilis</i> ), Bioconcentration factor (BCF): 53.4 (Static) Northern anchovy ( <i>Engraulis mordax</i> ), Bioconcentration factor (BCF): 8,450 (Static)
<b>Partition coefficient n-octanol / water (log Kow)</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Toluene	Log Kow: 2.73
Benzene	Log Kow: 2.13
Ethylbenzene	Log Kow: 3.15

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Cumene Log Kow: 3.66

Naphthalene Log Kow: 3.30  
**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Toluene	No data available.
Benzene	No data available.
Ethylbenzene	No data available.
Cumene	No data available.
Naphthalene	No data available.

**13. Disposal considerations**

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated packaging:** No data available.

**14. Transport information**

**DOT**

UN number:	UN 1294
UN proper shipping name:	Toluene
Transport hazard class(es)	
Class:	3
Label(s):	3
Packing group:	II
Marine Pollutant:	Not regulated.
Special precautions for user:	—

**IMDG**

UN number:	UN 1294
UN proper shipping name:	TOLUENE
Transport hazard class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-D
Packing group:	II
Marine Pollutant:	Not regulated.



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Special precautions for user: -

**IATA**

UN number: UN 1294  
Proper Shipping Name: Toluene  
Transport hazard class(es):  
Class: 3  
Label(s): 3  
Packing group: II  
Environmental hazards: Not regulated.  
Special precautions for user: -  
Other information  
Passenger and cargo aircraft: Allowed.  
Cargo aircraft only: Allowed.

### 15. Regulatory information

#### US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene  
Flammability  
Central nervous system  
Skin  
Respiratory tract irritation  
Blood  
Aspiration  
Eye  
Cancer

#### CERCLA Hazardous Substance List (40 CFR 302.4):

Toluene Reportable quantity: 1000 lbs.  
Ethylbenzene Reportable quantity: 1000 lbs.  
Benzene Reportable quantity: 10 lbs.

#### Superfund amendments and reauthorization act of 1986 (SARA)

##### Hazard categories

Not listed.

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**SARA 302 Extremely hazardous substance**

None present or none present in regulated quantities.

**SARA 304 Emergency release notification**

Chemical identity	RQ
Toluene	1000 lbs.
Ethylbenzene	1000 lbs.
Benzene	10 lbs.

**SARA 311/312 Hazardous chemical**

Chemical identity	Threshold Planning Quantity
Toluene	500 lbs
Ethylbenzene	500 lbs
Benzene	500 lbs

**SARA 313 (TRI reporting)**

Chemical identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Toluene	10000 lbs	25000 lbs.
Benzene	10000 lbs	25000 lbs.
Ethylbenzene	10000 lbs	25000 lbs.
Cumene	10000 lbs	25000 lbs.
Naphthalene	10000 lbs	25000 lbs.

Chemical identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Toluene	10000 lbs	25000 lbs.
Ethylbenzene	10000 lbs	25000 lbs.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

Toluene	Reportable quantity: 1000 lbs.
Ethylbenzene	Reportable quantity: 1000 lbs.
Benzene	Reportable quantity: 10 lbs.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**US state regulations**

**US. California Proposition 65**

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

Toluene	Developmental toxin.
Toluene	Female reproductive toxin.
Ethylbenzene	Carcinogenic.
Benzene	Carcinogenic.

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Benzene	Developmental toxin.
Benzene	Male reproductive toxin.
<b>US. New Jersey Worker and Community Right-to-Know Act</b>	
Toluene	Listed
<b>US. Massachusetts RTK - Substance List</b>	
Toluene	Listed
Benzene	Listed
<b>US. Pennsylvania RTK - Hazardous Substances</b>	
Toluene	Listed
<b>US. Rhode Island RTK</b>	
Toluene	Listed

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<b>Inventory Status:</b> Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
EU ELINCS List:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory

**16.Other information, including date of preparation or last revision**

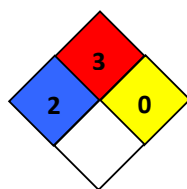
**HMIS Hazard ID**

<b>Health</b>	*	2
<b>Flammability</b>	3	
<b>Physical hazards</b>	0	
<b>PERSONAL PROTECTION</b>		B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*Chronic health effect

**NFPA Hazard ID**



	Flammability
	Health
	Reactivity
	Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Issue date:** 03/16/2016  
**Revision date:** No data available.  
**Version #:** 1.6  
**Further information:** No data available.

## Univar USA Inc Safety Data Sheet

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For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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