## MERICANSOLUTION Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/13/2018 Revision date: 09/09/2021 Supersedes: 08/24/2012

	2410 0	
<b>SECTION 1: Identifie</b>	cation	
1.1. Identification		
Product form		: Substance
Trade name		: Toluene
Chemical name		: Toluene
CAS-No.		: 108-88-3
Product code		: HF4000
Formula		: C7H8
Synonyms		: Benzene, methyl-, Methylbenzene, Phenylmethane, TOLUENE
1.2. Recommended	use and restrictio	ns on use
Use of the substance/mixte	ure	: Solvent
1.3. Supplier		
Haltermann Solutions™ 15600 W Hardy Rd. Houston, TX 77060 - USA T 1-800-969-2542 - F 281- dphillips@jhaltermann.com		
1.4. Emergency tele	phone number	
Emergency number		: 24 HR CHEMTREC: 1-800-424-9300; Emergency Assistance: 1-800-969-2542 (8 AM to 5 PM CDT)
<b>SECTION 2: Hazard</b>	(s) identificatio	n
2.1. Classification of	f the substance of	mixture
GHS-US classification		
Flammable liquids Category 2	H225	Highly flammable liquid and vapour
Skin corrosion/irritation	H315	Causes skin irritation

Suspected of damaging fertility or the unborn child

May be fatal if swallowed and enters airways

May cause damage to organs through prolonged or repeated exposure

May cause drowsiness or dizziness

Full text of H	statements ·	see section 1	6
	statements.		υ.

2.2. GHS Label elements, including precautionary statements

H361

H336

H373

H304

H401

GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	<ul> <li>H225 - Highly flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H336 - May cause drowsiness or dizziness H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure</li> </ul>

Toxic to aquatic life

Category 2 Reproductive toxicity

Category 2

Category 3 Specific target organ

Category 2

1

Specific target organ toxicity (single exposure)

toxicity (repeated exposure)

Aspiration hazard Category

Hazardous to the aquatic

environment - Acute Hazard Category 2

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	H401 - Toxic to aquatic life
Precautionary statements (GHS-US)	: 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, open flames, sparks No smoking.
	P233 - Keep container tightly closed.
	P240 - Ground/Bond container and receiving equipment
	P241 - Use explosion-proof electrical, lighting, ventilating equipment
	P242 - Use only non-sparking tools.
	P243 - Take precautionary measures against static discharge.
	P260 - Do not breathe dust, fume, gas, spray, mist, vapors.
	P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.
	P264 - Wash hands thoroughly after handling.
	P271 - Use only outdoors or in a well-ventilated area.
	P273 - Avoid release to the environment.
	P280 - Wear eye protection, protective clothing, protective gloves.
	P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER
	P302+P352 - If on skin: Wash with plenty of water
	P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse
	skin with water/shower
	P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
	P308+P313 - If exposed or concerned: Get medical advice/attention.
	P312 - Call a doctor, a POISON CENTER if you feel unwell
	P314 - Get medical advice/attention if you feel unwell.
	P321 - Specific treatment (see a doctor on this label)
	P331 - Do NOT induce vomiting.
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P370+P378 - In case of fire: Use alcohol resistant foam, dry extinguishing powder, carbon
	dioxide (CO2), Water spray to extinguish.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
	P403+P235 - Store in a well-ventilated place. Keep cool.
	P405 - Store locked up.
	P501 - Dispose of contents/container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

3.1. Substances			
Name		Product identifier	%
Toluene (Main constituent)		(CAS-No.) 108-88-3	100
Full text of hazard classes and H-statement	s : see section 16		
3.2. Mixtures			
Not applicable			
SECTION 4: First-aid measures			
4.1. Description of first aid measure	9S		
First-aid measures general	: Call a physician immediately.		
First-aid measures after inhalation	: Remove person to fresh air and kee	p comfortable for breathing.	
First-aid measures after skin contact	: Rinse skin with water/shower. Remo irritation occurs: Get medical advice	ove/Take off immediately all contaminated /attention.	clothing. If skin
First-aid measures after eye contact	: Rinse eyes with water as a precaution	on.	
First-aid measures after ingestion	: Do not induce vomiting. Call a physi	cian immediately.	
4.2. Most important symptoms and	effects (acute and delayed)		
Symptoms/effects	: May cause drowsiness or dizziness.		
Symptoms/effects after skin contact	: Irritation.		
Symptoms/effects after ingestion	: Risk of lung edema.		
4.3. Immediate medical attention an	d special treatment, if necessary		
Treat symptomatically.			

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguish	ing media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Specific hazards arising from the ch	
Fire hazard	: Highly flammable liquid and vapour.
Reactivity	: Highly flammable liquid and vapour.
5.3. Special protective equipment and pr	ecautions for fire-fighters
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
<b>SECTION 6: Accidental release meas</b>	ures
6.1. Personal precautions, protective equ	lipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containme	nt and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includin	g any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
SECTION 8: Exposure controls/perso	onal protection
8.1. Control parameters	
Toluene (108-88-3)	

Toluene (108-88-3)		
ACGIH	Local name	Toluene
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Visual impair; female repro; pregnancy loss; A4; BEI
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
OSHA	Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	500 ppm 10 mins.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Toluene (108-88-3)		
OSHA	Remark (OSHA)	(2) See Table Z-2.
OSHA	Regulatory reference (US-OSHA)	OSHA
IDLH	US IDLH (ppm)	500 ppm
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	375 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	560 mg/m³
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm

#### 8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.: Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Wear respiratory protection.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and	chemical properties	
Physical state	: Liquid	
Appearance	: Clear, colorless liquid.	
Color	: clear, Colorless	
Odor	: characteristic, model airplane glue	
Odor threshold	: 0.27 ppm (Stalker) 1 mg/m³ (Stalker)	
рН	: No data available	
Melting point	: -95 °C	
Freezing point	: No data available	
Boiling point	: 110.6 °C	
Flash point	: 4 °C closed cup	
Relative evaporation rate (butyl acetate=1)	: 2.24	
Flammability (solid, gas)	: Not applicable.	
Vapor pressure	: 30 hPa (at 20 °C)	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Specific gravity / density	: 871 kg/m³ (at 15 °C)	
Molecular mass	: 92.14 g/mol	
Solubility	: Water: 515 mg/l (at 20 °C)	
Log Pow	: 2.7	
Auto-ignition temperature	: 480 °C	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Viene eiter elemente	
Viscosity, dynamic	: 0.56 cP at 25 °C
Explosion limits	: LEL: 1.3 vol %
	UEL: 7 vol %
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
No additional information available	
<b>SECTION 10: Stability and reactivity</b>	
10.1. Reactivity	
Highly flammable liquid and vapour.	
10.2. Chemical stability	
Stable under normal conditions.	
<b>10.3. Possibility of hazardous reactions</b> No dangerous reactions known under normal cor	nditions of use
ç	
10.4. Conditions to avoid	
Avoid contact with hot surfaces. Heat. No flames,	, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, haz	ardous decomposition products should not be produced.
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
11.1.         Information on toxicological effects           Acute toxicity         Incompare to the second se	: Not classified
Acute toxicity	: Not classified
Acute toxicity Toluene (108-88-3)	
Acute toxicity	2600 mg/kg
Acute toxicity Toluene (108-88-3) LD50 oral rat	2600 mg/kg 12000 mg/kg
Acute toxicity Toluene (108-88-3) LD50 oral rat LD50 dermal rabbit	2600 mg/kg
Acute toxicity Toluene (108-88-3) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal)	2600 mg/kg           12000 mg/kg           12.5 mg/l/4h           2600 mg/kg body weight           12000 mg/kg body weight
Acute toxicity Toluene (108-88-3) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal) ATE US (vapors)	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h
Acute toxicity Toluene (108-88-3) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal)	2600 mg/kg           12000 mg/kg           12.5 mg/l/4h           2600 mg/kg body weight           12000 mg/kg body weight
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Acute toxicityToluene (108-88-3)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h         Not classified
Acute toxicity          Toluene (108-88-3)         LD50 oral rat         LD50 dermal rabbit         LC50 inhalation rat (mg/l)         ATE US (oral)         ATE US (dermal)         ATE US (vapors)         ATE US (dust, mist)         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitization	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h
Acute toxicity          Toluene (108-88-3)         LD50 oral rat         LD50 dermal rabbit         LC50 inhalation rat (mg/l)         ATE US (oral)         ATE US (dermal)         ATE US (vapors)         ATE US (dust, mist)         Skin corrosion/irritation         Serious eye damage/irritation	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h         Not classified
Acute toxicity          Toluene (108-88-3)         LD50 oral rat         LD50 dermal rabbit         LC50 inhalation rat (mg/l)         ATE US (oral)         ATE US (dermal)         ATE US (vapors)         ATE US (dust, mist)         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitization	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h         Not classified         Not classified
Acute toxicity          Toluene (108-88-3)         LD50 oral rat         LD50 dermal rabbit         LC50 inhalation rat (mg/l)         ATE US (oral)         ATE US (dermal)         ATE US (vapors)         ATE US (dust, mist)         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitization         Germ cell mutagenicity	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h         Not classified         Not classified         Not classified         Not classified
Acute toxicity          Toluene (108-88-3)         LD50 oral rat         LD50 dermal rabbit         LC50 inhalation rat (mg/l)         ATE US (oral)         ATE US (dermal)         ATE US (dermal)         ATE US (dust, mist)         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitization         Germ cell mutagenicity         Carcinogenicity	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h         Not classified         Not classified         Not classified         Not classified         Not classified         Not classified
Acute toxicity          Toluene (108-88-3)         LD50 oral rat         LD50 dermal rabbit         LC50 inhalation rat (mg/l)         ATE US (oral)         ATE US (dermal)         ATE US (dermal)         ATE US (dermal)         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitization         Germ cell mutagenicity         Carcinogenicity         Reproductive toxicity	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12000 mg/kg body weight         12.5 mg/l/4h         13.0 mg/l/4h         14.0 mg/l/4h         15.0 mg/l/4h         15.0 mg/l/4h         16.0 mg/l/4h         17.0 mg/l/4h         18.0 mg/l/4h     <
Acute toxicity Toluene (108-88-3) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (oral) ATE US (dermal) ATE US (dermal) ATE US (vapors) ATE US (dust, mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity – single exposure Specific target organ toxicity – repeated	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12.5 mg/l/4h         13.5 mg/l/4h         14.5 mg/l/4h         15.5 mg/l/4h         16.5 mg/l/4h         17.5 mg/l/4h <t< td=""></t<>
Acute toxicity           Toluene (108-88-3)           LD50 oral rat           LD50 dermal rabbit           LC50 inhalation rat (mg/l)           ATE US (oral)           ATE US (dermal)           ATE US (vapors)           ATE US (dust, mist)           Skin corrosion/irritation           Serious eye damage/irritation           Germ cell mutagenicity           Carcinogenicity           Reproductive toxicity           Specific target organ toxicity – single exposure           Specific target organ toxicity – repeated exposure           Aspiration hazard	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12.5 mg/l/4h         13.5 mg/l/4h         14.5 mg/l/4h         15.5 mg/l/4h         16.5 mg/l/4h         17.5 mg/l/4h <t< td=""></t<>
Acute toxicity          Toluene (108-88-3)         LD50 oral rat         LD50 dermal rabbit         LC50 inhalation rat (mg/l)         ATE US (oral)         ATE US (dermal)         ATE US (dermal)         ATE US (dust, mist)         Skin corrosion/irritation         Serious eye damage/irritation         Germ cell mutagenicity         Carcinogenicity         Reproductive toxicity         Specific target organ toxicity – single exposure         Specific target organ toxicity – repeated         exposure         Aspiration hazard         Symptoms/effects	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12.5 mg/l/4h         13.5 mg/l/4h         14.5 mg/l/4h         15.5 mg/l/4h         16.5 mg/l/4h         17.5 mg/l/4h <t< td=""></t<>
Acute toxicity           Toluene (108-88-3)           LD50 oral rat           LD50 dermal rabbit           LC50 inhalation rat (mg/l)           ATE US (oral)           ATE US (dermal)           ATE US (vapors)           ATE US (dust, mist)           Skin corrosion/irritation           Serious eye damage/irritation           Germ cell mutagenicity           Carcinogenicity           Reproductive toxicity           Specific target organ toxicity – single exposure           Specific target organ toxicity – repeated exposure           Aspiration hazard	2600 mg/kg         12000 mg/kg         12.5 mg/l/4h         2600 mg/kg body weight         12.5 mg/l/4h         13.5 mg/l/4h         14.5 mg/l/4h         15.5 mg/l/4h         16.5 mg/l/4h         17.5 mg/l/4h <t< td=""></t<>

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general	: Toxic to aquatic life.	
Ecology - water	: Toxic to crustacea. Toxic to fishes. Groundwater pollutant. Fouling to shoreline. Inhibits photosynthesis of algae. Harmful to bacteria. Taste alteration in fishes/aquatic organisms.	

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Toluene (108-88-3)		
LC50 fish 1	15.22 - 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 Daphnia 1	5.46 - 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
LC50 fish 2	12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
EC50 Daphnia 2	11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)	

#### Persistence and degradability 12.2.

No additional information available

12.3. Bioaco	.3. Bioaccumulative potential		
Toluene (108-88-3)			
Log Pow		2.7	
12.4. Mobility in soil			
No additional information available			

#### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations 13.1. Disposal methods				
Regional legislation (waste)	: U.S RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261. U.S RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. U.S RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.			
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.			
Additional information	: Flammable vapors may accumulate in the container.			

#### SECTION 14: Transport information

Department of Transportation (DOT)
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1			DOT
IN	accordance	with	וטט

Transport document description : UN1294 Toluene, 3, II UN-No.(DOT) : UN1294 Proper Shipping Name (DOT) : Toluene : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 Class (DOT) Packing group (DOT) : II - Medium Danger Hazard labels (DOT) : 3 - Flammable liquid

DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Special Provisions (49 CFR 172.102)



: 202 : 242

: IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

· 150

DOT Packaging Exceptions (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail : 5 L (49 CFR 173.27)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	: 130
Other information	: No supplementary information available.
Transport by sea	
Transport document description (IMDG)	: UN 1294 TOLUENE, 3, II
UN-No. (IMDG)	: 1294
Proper Shipping Name (IMDG)	: TOLUENE
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger
Air transport	
Transport document description (IATA)	: UN 1294 Toluene, 3, II
UN-No. (IATA)	: 1294
Proper Shipping Name (IATA)	: Toluene
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger

# SECTION 15: Regulatory information 15.1. US Federal regulations Toluene (108-88-3) Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 CERCLA RQ 1000 lb

#### 15.2. International regulations

#### CANADA

Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

#### Toluene (108-88-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

## National regulations

#### Toluene (108-88-3)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Japanese Poisonous and Deleterious Substances Control Law Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on CICR (Turkish Inventory and Control of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.3. US State regulations			
Toluene (108-88-3)			
U.S California - Proposition 65 - Carcinogens List	No		
U.S California - Proposition 65 - Developmental Toxicity	Yes		
U.S California - Proposition 65 - Reproductive Toxicity - Female	No		
U.S California - Proposition 65 - Reproductive Toxicity - Male	Yes		
No significant risk level (NSRL)	7000		
State or local regulations	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S Pennsylvania - RTK (Right to Know) List		

**WARNING** This product can expose you to 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.

#### SECTION 16: Other information

: 04/13/2018

#### Full text of H-phrases:

Revision date

-uli	uli text of H-phrases:		
	H225	Highly flammable liquid and vapour	
	H304	May be fatal if swallowed and enters airways	
	H315	Causes skin irritation	
	H336	May cause drowsiness or dizziness	
	H361	Suspected of damaging fertility or the unborn child	
	H373	May cause damage to organs through prolonged or repeated exposure	
	H401	Toxic to aquatic life	

#### SDS US (GHS HazCom 2012)

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