

ε 1047

TAR OFF

SECTION 1: Identification of the	substance/mixture and of the company/undertaking
1.1. Identification	
Product form	: Mixture
Product name	: TAR OFF
Product code	: GT12301,05,55
I.2. Relevant identified uses of the	substance or mixture and uses advised against
Jse of the substance/mixture	: Cleaning Solvent to Remove Grease and Tar Substances
1.3. Details of the supplier of the sa	afety data sheet
Gliptone Manufacturing Inc. 1740 Julia Goldbach Avenue Ronkonkoma, NY 11779 - United States of T 1-631-285-7250 - F 1-631-589-5487 www.gliptone.com	America
1.4. Emergency telephone number	
Emergency number	: 1-800-424-9300 International: 1-703-527-3887
SECTION 2: Hazard(s) identification	tion
2.1. Classification of the substance	
Classification (GHS-US)	
Flam. Liq. 3H226 -Flammable liquid arSkin Irrit. 2H315 -Causes skin irritatioCarc. 2H351 -Suspected of causirSTOT SE 3H336 -May cause drowsingSTOT RE 1H372 -Causes damage to	n . ng cancer
Full text of H-phrases: see section 16	
2.2. Label elements GHS-US labeling	
Hazard pictograms (GHS-US)	
	GHS02 GHS07 GHS08 GHS09
Signal word (GHS-US) Hazard statements (GHS-US)	 Danger H226 - Flammable liquid and vapor H315 - Causes skin irritation H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer H372 - Causes damage to organs through prolonged or repeated exposure
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/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 P243 - Take precautionary measures against static discharge P260 - Do not breathe dust/fume/gas/mist/vapors/spray P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P264 - Wash thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection 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

Safety Data Sheet

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

		P312 - Call a poison center/doctor/ if you feel unwell
		P314 - Get medical advice/attention if you feel unwell
		P321 - Specific treatment (see on this label)
		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 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
2.3.	Other hazards	

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. **Mixture Product identifier Classification (GHS-US)** Name % (CAS No) 142-82-5 65 - 75 Flam. Liq. 2, H225 heptane Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 solvent naphtha(petroleum), medium aliph. (CAS No) 64742-88-7 10 - 20 STOT RE 1, H372 Asp. Tox. 1, H304 xylene, mixture of isomers (CAS No) 1330-20-7 0 - 5 Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 ethylbenzene (CAS No) 100-41-4 0 - 5 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Obtain medical attention.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Wash skin thoroughly with mild soap and water. Wash clothing before re-using. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse thoroughly with plenty of water for at least 20 minutes and take medical advice.
First-aid measures after ingestion	: Do NOT induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.
4.2. Most important symptoms and effect	s, both acute and delayed
Symptoms/injuries after inhalation	: Can occur: irritation.
Symptoms/injuries after skin contact	: Can occur: irritation.
Symptoms/injuries after eye contact	: Can occur: irritation.
Symptoms/injuries after ingestion	: Can occur: irritation. Aspiration hazard. Fatal if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Dry powder. Foam. Carbon dioxide. Water fog.
Unsuitable extinguishing media	: Do not use water jet.
5.2. Special hazards arising from the sub	stance or mixture
Fire hazard	: Extremely flammable liquid. Vapors may travel long distances along ground before igniting/flashing back to vapor source.
Explosion hazard	: Keep away from ignition sources (including static discharges).
Reactivity	: Stable under normal conditions.
5.3. Advice for firefighters	
Firefighting instructions	: Move containers away from the fire area if this can be done without risk. Cool down the containers/equipment exposed to heat with a water spray. Ensure that there is no direct contact between the water and the product. Will float and can be reignited on water surface. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Combustion produces irritating gases. Carbon oxides (CO, CO2). Silicon oxides. Formaldehyde.
SECTION 6: Accidental release meas	
6.1. Personal precautions, protective equ	
General measures	: Keep public away.
Ceneral measures	. Reep public away.
6.1.1. For non-emergency personnel	
Protective equipment	: Use chemically protective clothing. The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves, they should be Level B: triple-gloves (rubber gloves and nitrile gloves over latex gloves), chemical resistant suit and boots, and respiratory protection specific for the material handled, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and Breathing Apparatus or respirator.
Emergency procedures	: NO open flames, NO sparks, and NO smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.
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	
	enter drains or water courses. Notify authorities if product enters sewers or public waters.
6.3. Methods and material for containment	nt and cleaning up
For containment	: Eliminate ignition sources.
Methods for cleaning up	 Notify authorities if product enters sewers or public waters. Stop leak without risks if possible. Collect the residue by means of a non-combustible absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	•
For further information refer to section 8 : Exposu	re-controls/personal protection"
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	

Additional hazards when processed	: Harmful liquid. Extremely flammable liquid.
Precautions for safe handling	: Ensure good ventilation of the work station. 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. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Safety Data Sheet

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

Safe use of the product	: Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. 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	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.
Storage area	: Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.

Special rules on packaging

: Always keep in containers made of the same material as the supply container.

SECTION 8: Exposure controls/personal protection

8.1.	Control parameters		
hepta	ne (142-82-5)		
ACGI	1	ACGIH TWA (ppm)	400 ppm (Heptane, all isomers; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGI	1	ACGIH STEL (ppm)	500 ppm (Heptane, all isomers; USA; Short time value; TLV - Adopted Value)

xylene, mixture of isomers (1330-20-7)		
ACGIH	ACGIH STEL (mg/m ³)	434 mg/m³
ACGIH	ACGIH Ceiling (mg/m ³)	651 mg/m³
ethylbenzene (100-41-4)		
ACGIH	ACGIH TWA (ppm)	20 ppm (Ethyl benzene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	OSHA PEL (STEL) (ppm)	125 ppm

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Impermeable protective gloves. Wear long sleeves. Use protective clothing.
Eye protection	 Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	: Avoid release to the environment.
Other information	 Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: Physical and chemical pr	operties	
9.1. Information on basic physical and che	emical properties	
Physical state	Liquid	
Color	Colourless to light yellow	
Odor :	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Mild odour Petroleum-like odour No data available on odour Pleasant odour Aromatic odour Sweet odour	
Odor threshold	No data available	
pH :	No data available	
06/01/2020	EN (English US) 4/11	i

	<i>j</i> ,
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 132 °C
Flash point	: -3 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: ≥ 1.2 vol %
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 44.2 mm Hg
Relative density	: 0.725
Relative vapor density at 20 °C	: 3.7
Solubility	: insoluble in water.
Log Pow	: No data available
Auto-ignition temperature	: 230 °C
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
VOC content	: > 90 %

SECTIO	IN 10: Stability and reactivity
10.1.	Reactivity
Stable und	der normal conditions.
10.2.	Chemical stability
Stable und	der normal conditions.
10.3.	Possibility of hazardous reactions
No danger	rous reactions known under normal conditions of use.
10.4.	Conditions to avoid
Avoid cont	tact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.
10.5.	Incompatible materials
Keep awa	y from: strong acids, strong bases and oxidation agents. Attacks many plastics, rubber, coatings.
10.6.	Hazardous decomposition products
Combustic	on produces irritating gases. Carbon monoxide. Carbon dioxide.

1.1. Information on toxicologic	al effects
ikely routes of exposure	: Skin contact.; Eyes contact.; Inhalation; Ingestion.
Acute toxicity	: Not classified
heptane (142-82-5)	
LD50 oral rat	> 15000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 3160 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >2000 mg/kg bodyweight; Rabbit; Read-across)
LC50 inhalation rat (mg/l)	103 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	25000 ppm/4h (Rat; Literature study)
ATE US (gases)	25000.000 ppmV/4h
ATE US (vapors)	103.000 mg/l/4h

heptane (142-82-5)			
ATE US (dust, mist) 103.000 mg/l/4h			
solvent naphtha(petroleum), medium aliph. (64742-88-7)			
LD50 oral rat	> 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 420; Experimental value)		
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)		
xylene, mixture of isomers (1330-20-7)			
LD50 oral rat	3523 - 8600 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; 3523 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; >4000 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value)		
LD50 dermal rabbit	> 4200 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)		
LC50 inhalation rat (mg/l)	29 mg/l/4h (Rat; Experimental value; 27.57 mg/l/4h; Rat; Experimental value)		
ATE US (oral)	3523.000 mg/kg body weight		
ATE US (dermal)	1100.000 mg/kg body weight		
ATE US (gases)	4500.000 ppmV/4h		
ATE US (vapors)	11.000 mg/l/4h		
ATE US (dust, mist)	1.500 mg/l/4h		
ethylbenzene (100-41-4)			
LD50 oral rat	3500 mg/kg (Rat; Other; Experimental value)		
LD50 dermal rabbit	15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value)		
LC50 inhalation rat (mg/l)	17.8 mg/l/4h (Rat; Literature study)		
LC50 inhalation rat (ppm)	4000 ppm/4h (Rat; Literature study)		
ATE US (oral)	3500.000 mg/kg body weight		
ATE US (dermal)	15415.000 mg/kg body weight		
ATE US (gases)	4000.000 ppmV/4h		
ATE US (vapors)	17.800 mg/l/4h		
ATE US (dust, mist)	1.500 mg/l/4h		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	Not classified		
Respiratory or skin sensitization	Not classified		
Germ cell mutagenicity	Not classified		
Carcinogenicity	Suspected of causing cancer.		

xylene, mixture of isomers (1330-20-7)			
IARC group	3 - Not Classifiable		
ethylbenzene (100-41-4)			
IARC group	2B - Possibly Carcinogenic to Humans		
Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.		
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure.		
Aspiration hazard	: Not classified		
Symptoms/injuries after inhalation	: Can occur: irritation.		
Symptoms/injuries after skin contact	: Can occur: irritation.		
Symptoms/injuries after eye contact	: Can occur: irritation.		
Symptoms/injuries after ingestion	: Can occur: irritation. Aspiration hazard. Fatal if swallowed.		

SECTION 12: Ecological informati	
12.1. Toxicity Ecology - general	: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Do not discharge into drains or the environment. Do not discharge into surface water.
	EFFECT OF MATERIAL ON PLANTS AND ANIMALS: This product may be harmful or fatal to plant and animal life if released into the environment EFFECT OF MATERIAL ON AQUATIC LIFE:
	The most sensitive known aquatic group to any component of this product is: Fish are adversely affected by components of this product.
	The substance is toxic to aquatic organisms. Bioaccumulation of this chemical may occur in aquatic animals. Environmental effects of the substance have not been investigated adequately.
heptane (142-82-5)	
LC50 fish 1	4 mg/l 24 hours
EC50 Daphnia 1	0.2 mg/l (LC50; Other; 96 h; Chaetogammarus marinus; Semi-static system; Salt water; Experimental value)
solvent naphtha(petroleum), medium alig	oh. (64742-88-7)
LC50 fish 1	2 - 5 mg/l (LL50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Semi- static system; Fresh water; Experimental value)
EC50 Daphnia 1	1.4 mg/l (EL50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	1 - 3,EL50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value
ethylbenzene (100-41-4)	
LC50 fish 2	4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)
2.2. Persistence and degradability	
heptane (142-82-5)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Low potential for adsorption in soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	1.92 g O ₂ /g substance
Chemical oxygen demand (COD)	0.06 g O ₂ /g substance
ThOD	3.52 g O ₂ /g substance
BOD (% of ThOD)	> 0.5 (5 days; Literature study)
solvent naphtha(petroleum), medium alig	oh. (64742-88-7)
Persistence and degradability	Readily biodegradable in water. Adsorbs into the soil.
xylene, mixture of isomers (1330-20-7)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. Photolysis in the air.
ethylbenzene (100-41-4)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance
ThOD	3.17 g O ₂ /g substance
BOD (% of ThOD)	45.4 (20 days)
12.3. Bioaccumulative potential	
heptane (142-82-5)	
BCF other aquatic organisms 1	552 (BCF; BCFBAF v3.00)
Log Pow Bioaccumulative potential	4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation ($4 \ge Log$ Kow ≤ 5).
•	
solvent naphtha(petroleum), medium alig	
Bioaccumulative potential	No bioaccumulation data available.
xylene, mixture of isomers (1330-20-7)	
BCF fish 2	7 - 26 (BCF; 8 weeks; Oncorhynchus mykiss; Flow-through system; Fresh water)
Log Pow	3.2 (Conclusion by analogy; 20 °C)
06/01/2020	EN (English US) 7/11

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

xylene, mixture of isomers (1330-20-7)			
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
ethylbenzene (100-41-4)			
BCF fish 1	1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study)		
BCF fish 2	15 - 79 (BCF)		
BCF other aquatic organisms 1	4.68 (BCF)		
Log Pow	3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		

12.4. Mobility in soil

heptane (142-82-5)			
Surface tension	0.019 N/m (25 °C; 0.020 N/m; 20 °C)		
Log Koc	log Koc,SRC PCKOCWIN v2.0; 2.38; Calculated value		
xylene, mixture of isomers (1330-20-7)			
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.		
ethylbenzene (100-41-4)			
Surface tension	0.029 N/m		
Log Koc	log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calcu value		

12.5. Other adverse effects

Effect on the global warming

: No known ecological damage caused by this product.

SECTION 13: Disposal considerati	ions
13.1. Waste treatment methods	
Waste disposal recommendations	 Dispose in a safe manner in accordance with local/national regulations. THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE USED CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001.
Additional information	: Flammable vapors may accumulate in the container.
SECTION 14: Transport informatio	n
Department of Transportation (DOT) In accordance with DOT Transport document description	: UN1206 Heptanes, 3, II
UN-No.(DOT) Proper Shipping Name (DOT) Hazard Classes (DOT)	 : UN1206 : Heptanes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Safety Data Sheet

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

Hazard labels (DOT)	: 3 - Flammable liquid
	3
Packing group (DOT)	: II - Medium Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	 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 11k 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
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
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" passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 1206
Proper Shipping Name (IMDG)	: HEPTANES
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger
Air transport	
UN-No.(IATA)	: 1206
Proper Shipping Name (IATA)	: HEPTANES
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger
SECTION 15: Regulatory information	
15.1 US Federal regulations	

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

xylene, mixture of isomers	CAS No 1330-20-7	0 - 5%		
ethylbenzene	CAS No 100-41-4	0 - 5%		
heptane (142-82-5)	heptane (142-82-5)			
EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.				
xylene, mixture of isomers (1330-20-7)				
Listed on SARA Section 313 (Specific toxic chemical listings)				
RQ (Reportable quantity, section 304 of EPA's 100 lb List of Lists)				

Safety Data Sheet

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

ethylbenzene (100-41-4)		
Listed on SARA Section 313 (Specific toxic chemical listings)		
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb	

15.2. International regulations

CANADA

During the transition period (June 2015-June 2017), Canadian regulation requires that the supplier must provide a document that conforms to either *Controlled Products Regulations* (WHMIS 1988) or HPR (WHMIS 2015), and not a combination of both. This document conforms to the post June 2017 HPR (WHMIS 2015) for a specific controlled or hazardous product. The classification, label and (material) SDS fully complies with the specific regulation chosen by the supplier.

EU-Regulations

No additional information available

National regulations

ethylbenzene (100-41-4)
Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

ethylbenzene (100-41-4)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	54
heptane (142-82-5) U.S New Jersey - Right to Know Hazardous Substance List xylene, mixture of isomers (1330-20-7)				
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List				
ethylbenzene (100-41-4)				
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List				

Safety Data Sheet

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

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 2	Carcinogenicity Category 2
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all 0 ambient conditions. : 0 - Normally stable, even under fire exposure conditions, NFPA reactivity and are not reactive with water. HMIS III Rating Health : 2 Moderate Hazard - Temporary or minor injury may occur 3 Serious Hazard - Materials capable of ignition under almost all normal temperature Flammability conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC) : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT Physical react with water, polymerize, decompose, condense, or self-react. Non-Explosives. Legend: ACGIH: American Conference of Governmental Industrial Hygienists NIOSH: National Institute of Occupational Safety and Health CAS: Chemical Abstract Services CFR: Code of Federal Regulations DOT: Department of Transportation EPA: Environmental Protection Agency HMIS: Hazardous Materials Identification System N/Ap: not applicable IARC: International Agency for Research on Cancer NFPA: National Fire Protection Association N/Av: not available PEL: Permissible Exposure Limit OSHA: Occupational Safety and Health Administration STEL: Short Term Exposure Limit SARA: Superfund Amendments & Reauthorization Act TSCA: Toxic Substance Control Act TLV: Threshold Limit Values SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product