# SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Name of the substance	Benzene Concentrate
Identification number	649-388-00-9 (Index number)
Registration number	01-2119474694-26-0005
Synonyms	None.
SDS number	2002
Issue date	10-January-2020
Version number	02
Revision date	07-February-2020
Supersedes date	10-January-2020
1.2. Relevant identified uses of the	ne substance or mixture and uses advised against
Identified uses	Use as a fuel. A complete list of registered uses for this product can be found in the table of content of the exposure scenario for communication, available as an annex to the eSDS.
Uses advised against	All other uses.
1.3. Details of the supplier of the	safety data sheet
Supplier	
Company name	Valero Energy Ltd
Address	1 Canada Square,
	London
	E14 5AA.
	United Kingdom
Telephone	01/210 345 4593 (General information; US)
e-mail	CorpHSE@valero.com
Contact person	Industrial Hygienist
1.4. Emergency telephone number	0044/(0)18 65 407333

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards Flammable liquids	Category 2	H225 - Highly flammable liquid and vapour.
Health hazards		
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Germ cell mutagenicity	Category 1B	H340 - May cause genetic defects.
Carcinogenicity	Category 1B	H350 - May cause cancer.
Reproductive toxicity	Category 2	H361 - Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Aspiration hazard	Category 1	H304 - May be fatal if swallowed and enters airways.
Environmental hazards		
Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.
card summary May be ignited	by heat, sparks or flames. May be fata	l if swallowed and enters airways. May

May be ignited by heat, sparks or flames. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness. May cause cancer. Causes skin irritation. Possible reproductive hazard. May cause genetic defects. Dangerous for the environment if discharged into watercourses.

#### 2.2. Label elements

### Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Distillates (petroleum), C6-rich
Hazard pictograms	
Signal word	Danger
Hazard statements	
H225 H304 H315 H336 H340 H350 H361 H411	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	
P201 P210 P273 P280	Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P301 + P310 P331	IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting.
Storage	Not assigned.
Disposal	Not assigned.
Supplemental label information	None.
2.3. Other hazards	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII. Hydrogen sulphide (H2S) can accumulate in the headspace of storage tanks and reach potentially hazardous concentrations.

### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

#### **General information**

%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
ch 100	93165-19-6 296-903-4	01-2119474694-26-0005	649-388-00-9	
	• • •		6, Muta.	Р
	ch 100 am. Liq. 2;H225, As	ch 100 93165-19-6 296-903-4 am. Liq. 2;H225, Asp. Tox. 1;H304, Skin li	ch 100 93165-19-6 01-2119474694-26-0005 296-903-4	ch 100 93165-19-6 01-2119474694-26-0005 649-388-00-9 296-903-4 am. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Muta.

	/0	CA3-NO. / EC NO.	REACH REGISTIATION NO.	muex NO.	Notes
Benzene	40 - 50	71-43-2 200-753-7	-	601-020-00-8	#

#### List of abbreviations and symbols that may be used above

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

#: This substance has been assigned Union workplace exposure limit(s).

Composition comments	This product is registered under the REACH Regulation 1907/2006 as a UVCB. All concentrations are in percent by weight unless ingredient is a gas. Hydrogen sulphide (H2S) can accumulate in the headspace of storage tanks and reach potentially hazardous concentrations. The full text for all H-statements is displayed in section 16.

# **SECTION 4: First aid measures**

**General information** 

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
4.2. Most important symptoms and effects, both acute and delayed	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

# **SECTION 5: Firefighting measures**

General fire hazards	Highly flammable liquid and vapour.
5.1. Extinguishing media Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

## **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is immiscible with water and will spread on the water surface. Prevent entry into waterways, sewer, basements or confined areas.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

# **SECTION 7: Handling and storage**

7.1. Precautions for safe handling	Before entering storage tanks and commencing any operation in a confined area check the atmosphere for oxygen content and flammability. (Subject to applicability) If sulfur compounds are suspected to be present in the product, check the atmosphere for H2S content. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see section 10 of the SDS).
7.3. Specific end use(s)	For detailed information, see section 1.

# **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Additional components		Туре	Value	
Benzene (CAS 71-43-2)		TWA	3.25 mg/m3	
			1 ppm	
EU. OELs, Directive 2004/3	7/EC on card	inogen and mutagens fro	m Annex III. Part A	
Additional components		Туре	Value	
Benzene (CAS 71-43-2)		TWA	3.25 mg/m3	
			1 ppm	
iological limit values	No biologi	cal exposure limits noted for	the ingredient(s).	
ecommended monitoring rocedures	•	ndard monitoring procedure	•	
Perived no effect levels (DNEL	s)			
<b>General Population</b>				
Product		Value	Assessment factor	Notes
Distillates (petroleum), C6-rio	ch (CAS 9316	5-19-6)		
Long-term, Local, Inhala		178.57 mg/m3	10	
Short-term, Local, Inhala		640 mg/m3	15	
Short-term, Systemic, In	halation	1152 mg/m3	15	
<u>Workers</u>				
Product		Value	Assessment factor	Notes
Distillates (petroleum), C6-rio		,		
Long-term, Local, Inhala		837.5 mg/m3	6	
Short-term, Local, Inhala		1066.67 mg/m3	9 9	
Short-term, Systemic, In redicted no effect oncentrations (PNECs)	Not availa	1286.4 mg/m3 ble.	9	
Exposure guidelines				
UK EH40 WEL: Skin design	nation			
Benzene (CAS 71-43-2)		Can be	e absorbed through the skin.	
.2. Exposure controls				
ppropriate engineering	Explosion-	proof general and local exh	aust ventilation. Good generation	al ventilation should be used.
ontrols	Ventilation exhaust ve exposure	rates should be matched to entilation, or other engineering	o conditions. If applicable, us ng controls to maintain airbo e not been established, main	e process enclosures, local rne levels below recommende
ndividual protection measures	-			
General information		to the CEN standards and ir	required. Personal protection discussion with the supplie	n equipment should be choser r of the personal protective

Eye/face protection	Wear safety glasses with side shields (or goggles). Eye protection should meet standard EN 166.
Skin protection	
- Hand protection	Wear suitable gloves tested to EN374. In full contact: Glove material: Nitrile rubber. Layer thickness: 0.225 mm. Breakthrough time: >480 min. Splash contact: Glove material: Neoprene; Layer thickness: 0.75 mm; Breakthrough time: 10-30 min.
- Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment with combination filter (type A2/P2) can be used.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical stateLiquid.FormLiquid.ColourColorless to yellow.OdourAromatic.Odour thresholdNot available.pHNot applicable.Melting point/freezing pointNot applicable.
ColourColorless to yellow.OdourAromatic.Odour thresholdNot available.pHNot applicable.Melting point/freezing pointNot applicable.
OdourAromatic.Odour thresholdNot available.pHNot applicable.Melting point/freezing pointNot applicable.
Odour thresholdNot available.pHNot applicable.Melting point/freezing pointNot applicable.
pHNot applicable.Melting point/freezing pointNot applicable.
Melting point/freezing point         Not applicable.
Initial boiling point and boiling   60 - 90 °C (140 - 194 °F) range
Flash point< -5.0 °C (< 23.0 °F) Closed cup
Evaporation rate Not available.
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits
Flammability limit - lower 1.3 (%)
Flammability limit - upper 7.9 (%)
Vapour pressure4 - 240 kPa (37.8 °C)
Vapour density > 1
<b>Relative density</b> 0.62 - 0.88 (15 °C)
Solubility(ies) Insoluble in water.
Partition coefficient     Not applicable.       (n-octanol/water)     Image: Constant of the second
Auto-ignition temperature > 503 °C (> 937.4 °F)
Decomposition temperature Not available.
<b>Viscosity</b> <= 1 mm <sup>2</sup> /s @ 40 °C (104 °F)
Explosive properties Not explosive.
Oxidising properties Not oxidising.
9.2. Other information No relevant additional information available.
SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous	No hazardous decomposition products are known.
decomposition products	

# **SECTION 11: Toxicological information**

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of each	xposure
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Skin contact	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.
11.1. Information on toxicological effects	

Acute toxicity

May be fatal if swallowed and enters airways. Hydrogen sulphide, a highly toxic gas, may be present. Signs and symptoms of overexposure to hydrogen sulphide include respiratory and eye irritation, dizziness, nausea, coughing, a sensation of dryness and pain in the nose, and loss of consciousness. Odour does not provide a reliable indicator of the presence of hazardous levels in the atmosphere.

Product	Species	Test Results
Distillates (petroleum), C6-rich (CA	S 93165-19-6)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LD50	Rat	> 5610 mg/m3, 4 hours
Oral	- /	
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.	
Skin sensitisation	Due to partial or complete lack of data the classification is not possible.	
Germ cell mutagenicity	May cause genetic defects.	
Carcinogenicity	May cause cancer.	
IARC Monographs. Overall I	Evaluation of Carcinogenicity	
Benzene (CAS 71-43-2)	1 Carcinogenic to humans.	
Reproductive toxicity	Suspected of damaging fertility or the unborn child.	
Specific target organ toxicity - single exposure	May cause drowsiness and dizzines	S.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of da	ata the classification is not possible.
Aspiration hazard	May be fatal if swallowed and enters airways.	
Mixture versus substance information	No information available.	
Other information	May be absorbed through the skin.	
SECTION 12: Ecological in	oformation	
12.1. Toxicity		effects. Due to partial or complete lack of data the quatic environment, acute hazard, is not possible.
12.2. Persistence and degradability	Expected to be inherently biodegrad	lable.
12.3. Bioaccumulative potential	The product is not bioaccumulating.	
Partition coefficient n-octanol/water (log Kow)	Not available.	
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	No data available.	

Benzene Concentrate

12.5. Results of PBT and vPvB assessment	This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.
12.6. Other adverse effects	Oil spills are generally hazardous to the environment. The product contains volatile organic compounds which have a photochemical ozone creation potential.

### **SECTION 13: Disposal considerations**

13.1. Waste treatment methods	
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

#### **SECTION 14: Transport information**

### ADR

ADR	
14.1. UN number	UN1268
14.2. UN proper shipping	PETROLEUM DISTILLATES, N.O.S.
name	
14.3. Transport hazard class	es)
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	33
Tunnel restriction code	D/E
14.4. Packing group	ll
14.5. Environmental hazards	; Yes
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
RID	
14.1. UN number	UN1268
14.2. UN proper shipping	PETROLEUM DISTILLATES, N.O.S.
name	
14.3. Transport hazard class	e(es)
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
ADN	
14.1. UN number	UN1268
14.2. UN proper shipping	PETROLEUM DISTILLATES, N.O.S.
name	
14.3. Transport hazard class	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	
14.5. Environmental hazards	
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
ΙΑΤΑ	
14.1. UN number	
14.2. UN proper shipping	PETROLEUM DISTILLATES, N.O.S.
name	

14.3. Transport hazard class(es) Class 3 Subsidiary risk \_ 14.4. Packing group Ш 14.5. Environmental hazards Yes 3H FRG Code Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions for user IMDG 14.1. UN number UN1268 14.2. UN proper shipping PETROLEUM DISTILLATES, N.O.S. name 14.3. Transport hazard class(es) 3 Class Subsidiary risk \_ П 14.4. Packing group 14.5. Environmental hazards Yes Marine pollutant F-E. S-E EmS Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions for user Not applicable. However, this product is a liquid and if transported in bulk covered under 14.7. Transport in bulk MARPOL 73/78, Annex I. according to Annex II of MARPOL 73/78 and the IBC Code General information Shipping descriptions in this section are offered as examples only. Classification for transport must accurately reflect the material hazards as designated under a variety of regulations and is solely the responsibility of the person offering the material into transport for commerce. **SECTION 15: Regulatory information** 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture **EU** regulations Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed. Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Benzene (CAS 71-43-2)
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Benzene (CAS 71-43-2)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

#### Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended Not listed.

#### **Restrictions on use**

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

#### Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended Not listed.

Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Directive 2012/18/EU on major accident hazards involving dangerous substances: Part 2 (Named dangerous substances) - 34. Petroleum products and alternative fuels.
National regulations	According to Directive 92/85/EEC as amended, pregnant women should not work with the product, if there is the least risk of exposure.
	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation on the protection of workers from the risks of exposure to carcinogens and mutagens at work, in accordance with Directive 2004/37/EC, as amended.
15.2. Chemical safety assessment	Chemical Safety Assessment has been carried out.
SECTION 16: Other inform	nation
List of abbreviations	DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.
References	Chemical safety report.
Information on evaluation method leading to the classification of mixture	Not applicable.
Full text of any H-statements not written out in full under	
Sections 2 to 15	<ul> <li>H225 Highly flammable liquid and vapour.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H315 Causes skin irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H340 May cause genetic defects.</li> <li>H350 May cause cancer.</li> <li>H361 Suspected of damaging fertility or the unborn child.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> </ul>
Training information	Follow training instructions when handling this material.
Disclaimer	This material Safety Data Sheet (SDS) was prepared in accordance with EC No 1272/2008 by Valero Energy Ltd. Valero Energy Ltd. does not assume any liability arising out of product use by others. The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations.