SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	Eastern Mediterranean Condensate
Registration number	Exempted by Annex V(7)
Synonyms	None.
Issue date	03-September-2014
Version number	01
Revision date	-
Supersedes date	-

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Fuel.
Uses advised against	Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet

Manufacturer	Noble Energy International Ltd
Address	73 Metochiou Str., 1st floor 2407 Engomi, Lefkosia, Cyprus
General Information	357.22.449190
e-mail	SDSGLOBAL@nobleenergyinc.com
1.4. Emergency telephone number	Poison Control: (1404)
24 Hour Emergency	1-760-476-3961
Access code	333053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification F+;R12, Carc. Cat. 1;R45, Muta. Cat. 2;R46, Xn;R65, N;R51/53

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

Physical hazards		
Flammable liquids	Category 1	H224 - Extremely flammable liquid and vapour.
Health hazards		
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Germ cell mutagenicity	Category 1B	H340 - May cause genetic defects.
Carcinogenicity	Category 1A	H350 - May cause cancer.
Reproductive toxicity (fertility, the unborn child)	Category 2	H361d - Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Category 1 (Blood, Central nervous system)	H372 - Causes damage to organs (Blood, Central nervous system) through prolonged or repeated exposure.
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.

Hazard summary

Physical hazards	Extremely flammable.

Health hazards May cause cancer. May cause heritable genetic damage. Also harmful: may cause lung damage if swallowed. Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Specific hazards Extremely flammable. May cause cancer. May cause heritable genetic damage. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Main symptoms Causes skin and eye irritation. May cause drowsiness and dizziness. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

2.2. Label elements

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

Contains: Benzene, Ethylbenzene, Hydrocarbons (aromatic and paraffinic), Methanol, Natural gas condensates (petroleum), Toluene, Xylene, n-Hexane

Hazard pictograms

Signal word Danger

Hazard statements
H224 - Extremely flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H350 - May cause cancer.
H340 - May cause genetic defects.
H372 - Causes damage to organs (Blood, Central nervous system) through prolonged or repeated exposure.
H361d - Suspected of damaging the unborn child.
H411 - Toxic to aquatic life with long lasting effects.
H336 - May cause drowsiness or dizziness.

Precautionary statements

Prevention
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.

Storage P403 + P235 - Store in a well-ventilated place. Keep cool.

Disposal P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

2.3. Other hazards Static accumulating flammable liquids

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Natural gas condensates (petroleum)	100	64741-47-5 265-047-3	Exempted by Annex V(7)	649-346-00-X	
Classification: **DSD:** Carc. Cat. 2;R45, Muta. Cat. 2;R46, Xn;R65					P
CLP: Asp. Tox. 1;H304, Muta. 1B;H340, Carc. 1B;H350					P
Hydrocarbons (aromatic and paraffinic)	> 70	8002-05-9 232-298-5	Exempted by Annex V(8)	649-049-00-5	
Classification: **DSD:** Carc. Cat. 2;R45					
CLP: Flam. Liq. 3;H226, Carc. 1B;H350, Aquatic Chronic 2;H411					
Toluene	< 15	108-88-3 203-625-9	Exempted by Annex V(8)	601-021-00-3	#
Classification: **DSD:** F;R11, Repr. Cat. 3;R63, Xn;R65-48/20, Xi;R38, R67					
CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Repr. 2;H361d, STOT RE 2;H373					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
n-Hexane	5 - 10	110-54-3 203-777-6	Exempted by Annex V(7)	601-037-00-0	#
Classification: **DSD:**	F;R11, Repr. Cat. 3;R62, Xn;R65-48/20, Xi;R38, R67, N;R51/53				
CLP:	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Repr. 2;H361f, STOT RE 2;H373, Aquatic Chronic 2;H411				
Xylene	< 12	1330-20-7 215-535-7	Exempted by Annex V(7)	601-022-00-9	#
Classification: **DSD:**	R10, Xn;R20/21, Xi;R38				C
CLP:	Flam. Liq. 3;H226, Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Irrit. 2;H315, Acute Tox. 4;H332				C
Benzene	0,5 - 5	71-43-2 200-753-7	Exempted by Annex V(7)	601-020-00-8	#
Classification: **DSD:**	F;R11, Carc. Cat. 1;R45, Muta. Cat. 2;R46, T;R48/23/24/25, Xn;R65, Xi;R36/38				E
CLP:	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Muta. 1B;H340, Carc. 1A;H350, STOT RE 1;H372, Aquatic Chronic 2;H411				E
Ethylbenzene	0 - 1	100-41-4 202-849-4	Exempted by Annex V(7)	601-023-00-4	#
Classification: **DSD:**	F;R11, Carc. Cat. 3;R40, Xn;R20				
CLP:	Flam. Liq. 2;H225, Acute Tox. 4;H332, Carc. 2;H351				
Methanol	0 - 1	67-56-1 200-659-6	Exempted by Annex V(7)	603-001-00-X	#
Classification: **DSD:**	F;R11, T;R23/24/25-39/23/24/25				
CLP:	Flam. Liq. 2;H225, Acute Tox. 3;H301, Acute Tox. 3;H311, Acute Tox. 3;H331, STOT SE 1;H370				

Composition comments The full text for all R-phrases is displayed in section 16 of the SDS. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Natural gas condensate can contain minor amounts of sulfur, nitrogen, and oxygen containing organic compounds as well as trace amounts of heavy metals. Composition can vary depending on the source.
Methanol is introduced periodically to the pipeline transportation process to prevent the formation of hydrates. Therefore Methanol content is listed in the Composition / Information on Ingredients table above.

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 If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Ingestion Call a physician or poison control center immediately. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

4.2. Most important symptoms and effects, both acute and delayed Causes skin and eye irritation. Swallowing of the liquid, or vomiting as a result, may result in aspiration into the lungs. May cause cancer. May cause genetic defects. Suspected of damaging the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.
If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficulty breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

SECTION 5: Firefighting measures

General fire hazards Extremely flammable liquid and vapour.

5.1. Extinguishing media

Suitable extinguishing media Foam. Dry chemical powder. Carbon dioxide (CO2). Water fog.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture The product is highly flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. Vapours may travel considerable distance to a source of ignition and flash back. Containers may explode when heated. Thermal decomposition or combustion may liberate toxic gases or fumes.

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 Prevent buildup of vapours or gasses to explosive concentrations.

Specific methods Move container from fire area if it can be done without risk. Use water spray to keep fire-exposed containers cool.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Eliminate sources of ignition. Wear appropriate personal protective equipment (See Section 8).

For emergency responders Keep unnecessary personnel away.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Eliminate sources of ignition. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste for proper disposal.

Large Spills: Use water spray to disperse vapours and dilute spill to a nonflammable mixture. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

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 Keep away from heat, sparks and open flame. Do not breathe mist or vapour. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Use only with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed and in a well-ventilated place. Store away from incompatible materials.

7.3. Specific end use(s) Fuel.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Benzene (CAS 71-43-2)	TWA	30 mg/m3
		10 ppm
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)	TWA	0,2 mg/m3
Methanol (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	TWA	375 mg/m3
		100 ppm
Xylene (CAS 1330-20-7)	TWA	435 mg/m3
		100 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	STEL	884 mg/m3
		200 ppm
	TWA	442 mg/m3
		100 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Xylene (CAS 1330-20-7)	STEL	442 mg/m3
		100 ppm
	TWA	221 mg/m3
		50 ppm

EU. OELs, Directive 2004/37/EC on carcinogen and mutagens from Annex III, Part A

Components	Type	Value
Benzene (CAS 71-43-2)	TWA	3,25 mg/m3
		1 ppm

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

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

Cyprus OEL: Skin designation

Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Methanol (CAS 67-56-1)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.
Xylene (CAS 1330-20-7)	Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls Ensure adequate ventilation, especially in confined areas. Provide easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

General information The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Chemical resistant gloves are recommended.

- Other Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

Thermal hazards Not applicable.

Hygiene measures 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 Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Clear golden yellow liquid.

Physical state Liquid.

Form Liquid.

Colour Yellow.

Odour	Gasoline.
Odour threshold	Not relevant.
pH	Not relevant.
Melting point/freezing point	-101 °C (-149,8 °F)
Initial boiling point and boiling range	-7 °C (19,4 °F)
Flash point	-23,9 °C (-11,0 °F) Pensky-Martens Closed Cup
Evaporation rate	14,7 (n-Butylacetate=1)
Flammability (solid, gas)	Not relevant.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1
Flammability limit - upper (%)	7,5
Vapour pressure	2,3 kPa @ 68 °F (20°C)
Vapour density	2,9 @ 68 °F (20°C) (Air=1)
Relative density	Not available.
Solubility(ies)	38 mg/l @ 68 °F (20°C) (Slightly Soluble)
Partition coefficient (n-octanol/water)	3,9
Auto-ignition temperature	235 °C (455 °F)
Decomposition temperature	Not relevant.
Viscosity	2 cSt @ 104 °F (40°C) 3 cSt @ 77 °F (25°C)
Explosive properties	Not explosive.
Oxidizing properties	Not applicable.
9.2. Other information	
Density	0,89 @ 68 °F (20°C) API Gravity 27,8

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	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Keep away from heat, sparks, and flame.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	May cause drowsiness or dizziness. Prolonged exposure may cause chronic effects.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Swallowing or vomiting of the liquid may result in aspiration into the lungs.
Symptoms	Causes skin and eye irritation. Swallowing or vomiting of the liquid may result in aspiration into the lungs. May cause drowsiness and dizziness.

11.1. Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Components	Species	Test results
Benzene (CAS 71-43-2)		
Acute		
Oral		
LD50	Mouse	4700 mg/kg

Components	Species	Test results
	Rat	3306 mg/kg
Ethylbenzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
		17,8 ml/kg, 24 Hours
Inhalation		
LC50	Mouse	> 8000 ppm, 20 Minutes
	Rat	4000 ppm
Oral		
LD50	Rat	5,46 g/kg
Other		
LD50	Mouse	17,81 mm/kg
Methanol (CAS 67-56-1)		
Acute		
Inhalation		
LC50	Mouse	79,43 mg/l, 134 Minutes
	Rat	64000 ppm, 4 Hours
		> 115,9 mg/l, 4 Hours
		82,1 mg/l, 6 Hours
Oral		
LD50	Monkey	6000 mg/kg
	Rat	1187 - 2769 mg/kg
Other		
LD50	Mouse	6000 mg/kg
Natural gas condensates (petroleum) (CAS 64741-47-5)		
Acute		
Dermal		
LD50	Rabbit	> 1900 mg/kg, 24 Hours
Inhalation		
LC50	Rat	> 4970 mg/m3, 4 Hours
		> 4,96 mg/l, 4 Hours
Oral		
LD50	Rat	> 4800 mg/kg
n-Hexane (CAS 110-54-3)		
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
Oral		
LD50	Rat	28710 mg/kg
Toluene (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	14,1 ml/kg
Inhalation		
LC50	Rat	49000 mg/m³, 4 Hours
Oral		
LD50	Rat	636 mg/kg
Xylene (CAS 1330-20-7)		
Acute		
Dermal		
LD50	Rabbit	12126 mg/kg, 24 Hours
		> 5000 ml/kg, 4 Hours

Components	Species	Test results
Inhalation		
LC50	Mouse	5300 ppm, 6 Hours
	Rat	5922 ppm, 4 Hours
Oral		
LD50	Mouse	5251 mg/kg
	Rat	3523 mg/kg
		10 ml/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory sensitisation Not a respiratory sensitiser.

Skin sensitisation Not a skin sensitiser.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene (CAS 71-43-2)	1 Carcinogenic to humans.
Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)	3 Not classifiable as to carcinogenicity to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure Causes damage to organs (Blood, Central nervous system) through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

Mixture versus substance information Not available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Toxic to aquatic life with long lasting effects.

Components		Species	Test results
Benzene (CAS 71-43-2)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	8,76 - 15,6 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	5,3 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1 - 4 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4 mg/l, 96 hours
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)			
Aquatic			
Fish	LC50	Cutthroat trout (Oncorhynchus clarki)	2,1 - 4,3 mg/l, 96 hours
Methanol (CAS 67-56-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
n-Hexane (CAS 110-54-3)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	2,101 - 2,981 mg/l, 96 hours

Components		Species	Test results
Toluene (CAS 108-88-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	5,46 - 9,83 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	5,89 - 7,81 mg/l, 96 hours
Xylene (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8 mg/l, 96 Hours

12.2. Persistence and degradability Not established.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Eastern Mediterranean Condensate (CAS Mixture)	3,9
Benzene (CAS 71-43-2)	2,13
Ethylbenzene (CAS 100-41-4)	3,15
Methanol (CAS 67-56-1)	-0,77
Toluene (CAS 108-88-3)	2,73
Xylene (CAS 1330-20-7)	3,2
n-Hexane (CAS 110-54-3)	3,9

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Not available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations.

Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.

EU waste code Waste codes should be assigned by the user based on the application for which the product was used.

Disposal methods/information Do not discharge into drains, water courses or onto the ground. Discharge, treatment, or disposal may be subject to national, state, or local laws.

Special precautions Dispose of in accordance with local regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1993

14.2. UN proper shipping name FLAMMABLE LIQUID, N.O.S. (Natural gas condensates (petroleum))

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 I

14.5. Environmental hazards Yes

14.6. Special precautions for user Not available.

RID

14.1. UN number UN1993

14.2. UN proper shipping name FLAMMABLE LIQUID, N.O.S. (Natural gas condensates (petroleum))

14.3. Transport hazard class(es)

Class 3

Subsidiary risk -

Label(s)	3
14.4. Packing group	I
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Not available.

ADN

14.1. UN number	UN1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Natural gas condensates (petroleum))
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	I
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Not available.

IATA

14.1. UN number	UN1993
14.2. UN proper shipping name	Flammable liquid, n.o.s. (Natural gas condensates (petroleum))
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	I
14.5. Environmental hazards	Yes
ERG Code	3H
14.6. Special precautions for user	Not available.

IMDG

14.1. UN number	UN1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Natural gas condensates (petroleum))
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	I
14.5. Environmental hazards	
Marine pollutant	Yes
EmS	F-E, S-E
14.6. Special precautions for user	Not available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This substance/mixture is not intended to be transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

F - Highly flammable

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Benzene (CAS 71-43-2)

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 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

Not listed.

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 authorization, 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

Benzene (CAS 71-43-2)
Ethylbenzene (CAS 100-41-4)
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)
Methanol (CAS 67-56-1)
n-Hexane (CAS 110-54-3)
Toluene (CAS 108-88-3)

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

Benzene (CAS 71-43-2)
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)
Natural gas condensates (petroleum) (CAS 64741-47-5)

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Benzene (CAS 71-43-2)
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)
Natural gas condensates (petroleum) (CAS 64741-47-5)
Toluene (CAS 108-88-3)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Benzene (CAS 71-43-2)
Ethylbenzene (CAS 100-41-4)
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)
Methanol (CAS 67-56-1)
Natural gas condensates (petroleum) (CAS 64741-47-5)
n-Hexane (CAS 110-54-3)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

Directive 94/33/EC on the protection of young people at work

Benzene (CAS 71-43-2)
Hydrocarbons (aromatic and paraffinic) (CAS 8002-05-9)
Methanol (CAS 67-56-1)
Natural gas condensates (petroleum) (CAS 64741-47-5)
n-Hexane (CAS 110-54-3)
Toluene (CAS 108-88-3)

Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Not available.
15.2. Chemical safety assessment	Not available.

SECTION 16: Other information

List of abbreviations	Not available.
References	ECHA registered substances database HSDB® - Hazardous Substances Data Bank IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens Registry of Toxic Effects of Chemical Substances (RTECS)

Information on evaluation method leading to the classification of mixture	Not available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	R10 Flammable. R11 Highly flammable. R12 Extremely flammable. R20 Harmful by inhalation. R20/21 Harmful by inhalation and in contact with skin. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R36/38 Irritating to eyes and skin. R38 Irritating to skin. R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R40 Limited evidence of a carcinogenic effect. R45 May cause cancer. R46 May cause heritable genetic damage. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. R48/23/24/25 Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62 Possible risk of impaired fertility. R63 Possible risk of harm to the unborn child. R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H350 May cause cancer. H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H361f Suspected of damaging fertility. H370 Causes damage to organs. H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Training information	Follow training instructions when handling this material.
Further information	Not applicable.
Disclaimer	The information provided herein is believed to be accurate as of the date of issue, but is offered without guarantee. The information provided may not be complete, as it is not practicable to provide all scientific information in the format of this document. Further, additional information may be necessary under exceptional conditions of use, or because of applicable laws or regulations. Noble Energy, Inc. does not assume any liability arising out of product use even if safety procedures are followed as outlined herein. The user has the responsibility for evaluating the adequacy of the information under the conditions of use and obtaining additional information where uncertainty exists. No express or implied guarantees are made as to the effects of use, the results to be obtained, or the safety and toxicity of the product in any specific application. The user assumes all risks of use of the product. Noble Energy, Inc. expressly disclaims all warranties of every kind including warranties of merchantability and fitness for any particular purpose. Nothing herein is intended to be construed as permission or recommendation for use of the product in any manner which might infringe existing patents.