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	Comma Diesel D-Tox
Registration number	-
Synonyms	None.
Product code	DDTOX400M
Issue date	20-December-2022
Version number	08
Revision date	20-December-2022

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

Identified uses	Fuel additive
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	Moove Lubricants ltd.	
Address	Comma Oil & Chemicals Marketing B.V Moove Lubricants Netherlands Herikerbergweg 238, 1101CM, Amsterdam NL	
Division		
Telephone	Telephone	+ 31208083061
e-mail	technical@uk.moovelub.com	
Contact person	Not available.	

1.4. Emergency telephone number

Asia Pacific	+ (1) 760 476 3960
China	+ (86) 4001 2001 74
Europe	+ (44) 8 08 189 0979
Middle East/Africa	+ (1) 760 476 3959
Ireland National Poisons Info	+353 1 809 2566
Healthcare professionals-24/7 (public, 8am - 10pm, 7/7)	+353 1 809 2166
Access Code	334498

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture 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

Health hazards		
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 3	H412 - Harmful to aquatic life with long lasting effects.

Hazard summary May be fatal if swallowed and enters airways. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

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

UFI

Austria: R110-X0XM-000N-AE7J
Belgium: R110-X0XM-000N-AE7J
Bulgaria: R110-X0XM-000N-AE7J
Cyprus: R110-X0XM-000N-AE7J
Czech Republic: R110-X0XM-000N-AE7J
Denmark: R110-X0XM-000N-AE7J
Estonia: R110-X0XM-000N-AE7J
EU: R110-X0XM-000N-AE7J
Finland: R110-X0XM-000N-AE7J
France: R110-X0XM-000N-AE7J
Germany: R110-X0XM-000N-AE7J
Greece: R110-X0XM-000N-AE7J
Hungary: R110-X0XM-000N-AE7J
Iceland: R110-X0XM-000N-AE7J
Italy: R110-X0XM-000N-AE7J
Latvia: R110-X0XM-000N-AE7J
Lithuania: R110-X0XM-000N-AE7J
Luxembourg: R110-X0XM-000N-AE7J
Malta: R110-X0XM-000N-AE7J
Netherlands: R110-X0XM-000N-AE7J
Norway: R110-X0XM-000N-AE7J
Poland: R110-X0XM-000N-AE7J
Portugal: R110-X0XM-000N-AE7J
Romania: R110-X0XM-000N-AE7J
Slovakia: R110-X0XM-000N-AE7J
Slovenia: R110-X0XM-000N-AE7J
Spain: R110-X0XM-000N-AE7J
Sweden: R110-X0XM-000N-AE7J
UK: R110-X0XM-000N-AE7J

Contains: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard pictograms

Signal word Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102 Keep out of reach of children.
P273 Avoid release to the environment.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331 Do NOT induce vomiting.

Storage

P405 Store locked up.

Disposal

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

Supplemental label information EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	70 - < 80		01-2119456620-43	649-422-00-2	
Classification:	Asp. Tox. 1;H304, Aquatic Chronic 2;H411				
2-Ethylhexyl nitrate	10 - < 20	27247-96-7 248-363-6	01-2119539586-27	-	
Classification:	Acute Tox. 4;H302, Acute Tox. 4;H312, Acute Tox. 4;H332, Aquatic Chronic 2;H411				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
2-ethylhexan-1-ol	< 1	104-76-7 203-234-3	01-2119487289-20	-	#
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319, Acute Tox. 4;H332, STOT SE 3;H335				
Other components below reportable levels	5 - < 10				

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).
M: M-factor
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments 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 Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. 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.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

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 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 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. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away.

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

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. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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

Avoid prolonged exposure. Provide adequate ventilation. 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. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Fuel additive

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	Ceiling	10,8 mg/m3
		2 ppm
	MAK	5,4 mg/m3
		1 ppm

Belgium. Exposure Limit Values

Components	Type	Value	Form
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3	
		1 ppm	
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	TWA	200 mg/m3	Vapour.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	TWA	200 mg/m3	Vapour.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	TWA	300 mg/m3
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	TWA	300 mg/m3

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	MAC	5,4 mg/m3
		1 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	Ceiling	11 mg/m3
	TWA	5,4 mg/m3
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	Ceiling	1000 mg/m3
	TWA	200 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TLV	5,4 mg/m3
		1 ppm
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	TLV	25 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	STEL	300 mg/m3
		50 ppm
	TWA	150 mg/m3
		25 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	TWA	100 mg/m3
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	TWA	500 mg/m3

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	54 mg/m3	Vapour and aerosol.
		10 ppm	Vapour and aerosol.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	TWA	5 mg/m3	Respirable aerosol fraction
		350 mg/m3	Vapour.
		50 ppm	Vapour.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
2-ethylhexan-1-ol (CAS 104-76-7)	AGW	54 mg/m3	Vapour and aerosol.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
		10 ppm	Vapour and aerosol.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Italy. Occupational Exposure Limits

Components	Type	Value	Form
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3	
		1 ppm	
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	TWA	200 mg/m3	Non-aerosol.

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	STEL	300 mg/m3
		50 ppm
	TWA	150 mg/m3
		25 ppm
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	STEL	500 mg/m3
	TWA	350 mg/m3

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
		1 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Netherlands. OELs (binding)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	STEL	54 mg/m3
		10 ppm
	TLV	5,4 mg/m3
		1 ppm
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	TLV	275 mg/m3
		40 ppm

Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	STEL	10,8 mg/m3
	TWA	5,4 mg/m3
2-Ethylhexyl nitrate (CAS 27247-96-7)	STEL	7 mg/m3
	TWA	3,5 mg/m3
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	STEL	300 mg/m3
	TWA	100 mg/m3
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	STEL	300 mg/m3
	TWA	100 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	TWA	200 mg/m3	Non-aerosol.

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
		1 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	TWA	200 mg/m3
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	TWA	200 mg/m3

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm
HYDROCARBONS, C10, AROMATICS (SOLVENT NAPHTHA) (CAS 64742-94-5)	STEL	300 mg/m3
		50 ppm
	TWA	150 mg/m3
		25 ppm
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	STEL	500 mg/m3
	TWA	350 mg/m3

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
2-ethylhexan-1-ol (CAS 104-76-7)	STEL	110 mg/m3	Vapour and aerosol.
		20 ppm	Vapour and aerosol.
	TWA	110 mg/m3	Vapour and aerosol.
		20 ppm	Vapour and aerosol.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	STEL	700 mg/m3	Vapour.
		100 ppm	Vapour.
	TWA	5 mg/m3	Aerosol
		350 mg/m3	Vapour.
		50 ppm	Vapour.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 mg/m3
		1 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

Components	Type	Value
2-ethylhexan-1-ol (CAS 104-76-7)	TWA	5,4 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 levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

- Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

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 Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Colour Colourless.

Odour Characteristic.

Odour threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range 100 °C (212 °F) estimated

Flash point 71,0 °C (159,8 °F)

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapour pressure	3 hPa estimated
Vapour density	Not available.
Relative density	0,81 g/cm3
Relative density temperature	20 °C (68 °F)
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
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.
10.4. Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
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	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
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.

11.1. Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Components	Species	Test Results
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.
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	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	May be fatal if swallowed and enters airways.
Mixture versus substance information	No information available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Product		Species	Test Results
Comma Diesel D-Tox			
Aquatic			
Fish	LC50	Fish	4,4843 mg/l, 96 hours estimated
Components		**Species**	**Test Results**
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2,9 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability	No data is available on the degradability of this product.
12.3. Bioaccumulative potential	No data available.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not established.

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

Not listed.

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

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

UFI

Austria: R110-X0XM-000N-AE7J
Belgium: R110-X0XM-000N-AE7J
Bulgaria: R110-X0XM-000N-AE7J
Cyprus: R110-X0XM-000N-AE7J
Czech Republic: R110-X0XM-000N-AE7J
Denmark: R110-X0XM-000N-AE7J
Estonia: R110-X0XM-000N-AE7J
EU: R110-X0XM-000N-AE7J
Finland: R110-X0XM-000N-AE7J
France: R110-X0XM-000N-AE7J
Germany: R110-X0XM-000N-AE7J
Greece: R110-X0XM-000N-AE7J
Hungary: R110-X0XM-000N-AE7J
Iceland: R110-X0XM-000N-AE7J
Italy: R110-X0XM-000N-AE7J
Latvia: R110-X0XM-000N-AE7J
Lithuania: R110-X0XM-000N-AE7J
Luxembourg: R110-X0XM-000N-AE7J
Malta: R110-X0XM-000N-AE7J
Netherlands: R110-X0XM-000N-AE7J
Norway: R110-X0XM-000N-AE7J
Poland: R110-X0XM-000N-AE7J
Portugal: R110-X0XM-000N-AE7J
Romania: R110-X0XM-000N-AE7J
Slovakia: R110-X0XM-000N-AE7J
Slovenia: R110-X0XM-000N-AE7J
Spain: R110-X0XM-000N-AE7J
Sweden: R110-X0XM-000N-AE7J
UK: R110-X0XM-000N-AE7J

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

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 EC directives or respective national laws. Pregnant women should not work with the product, if there is the least risk of exposure. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended.
National regulations	Follow national regulation for work with chemical agents. 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.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any H-statements not written out in full under Sections 2 to 15	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects.
Revision information	Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Regulatory Information: Risk Phrases - Labeling
Training information	Follow training instructions when handling this material.
Disclaimer	Moove Lubricants ltd. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.