Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Techron D Concentrate

Product Number(s): 802859

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified Uses: Diesel Fuel Additive

1.3 Details of the supplier of the safety data sheet
YX Smøreolie A/S
Buddingevej 195
DK-2860 Søborg
Kundecenter: +45 70 11 56 78
Denmark
Web: yxlube.dk
email : sales@yxlube.dk

1.4 Emergency telephone number
Transportation Emergency Response
Europe: 0044/(0)18 65 407333
Health Emergency
Europe: 0044/(0)18 65 407333
Poison Control Centre Denmark: 0045/ 82 12 12 12
Product Information
Technical Information: 0045/70 11 56 78

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP CLASSIFICATION: Aspiration toxicant: Category 1, H304.Chronic aquatic toxicant: Category 3, H412.

2.2 Label elements
Under the criteria of Regulation (EC) No 1272/2008 (CLP):

Signal Word: Danger

HAZARD STATEMENTS:
Physical Hazards: Risk of explosion if heated under confinement (EUH044).

Health Hazards: May be fatal if swallowed and enters airways (H304). Repeated exposure may cause skin dryness or cracking (EUH066).

Environmental Hazards: Harmful to aquatic life with long lasting effects (H412).
- contains: Distillates (petroleum), hydrotreated light

PRECAUTIONARY STATEMENTS:
General: Keep out of reach of children (P102). Read label before use (P103).
Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician (P301+P310). Do NOT induce vomiting (P331).
Storage: Store locked up (P405).
Disposal: Dispose of contents/container in accordance with applicable local/regional/national/international regulations (P501).

2.3 Other hazards
This product is not, or does not contain, a substance that is a potential PBT or a vPvB.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures
This material is a mixture.

COMPONENTS	CAS NUMBER	EC NUMBER	REGISTRATION NUMBER	CLP CLASSIFICATION	AMOUNT
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	**	Asp. Tox. 1/H304	60 - 70 %weight
2-ethylhexyl nitrate	27247-96-7	248-363-6	01-2119539586-27	Acute Tox. 4/H312; Aquatic Chronic 2/H411; Acute Tox. 4/H302; Acute Tox. 4/H332	20 - < 25 %weight
2-ethylhexan-1-ol	104-76-7	203-234-3	01-2119487289-20	Eye Irrit. 2/H319; Skin Irrit. 2/H315; STOT SE 3/H335; Acute Tox. 4/H332	1 - < 5 %weight

The full text of all CLP H-statements is shown in Section 16.

**Not available or substance is not currently required for registration under REACH.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures
Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.
Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by

mouth to an unconscious person.
Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

4.2 Most important symptoms and effects, both acute and delayed
IMMEDIATE SYMPTOMS AND HEALTH EFFECTS
Eye: Not expected to cause prolonged or significant eye irritation.
Skin: Skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering.
Ingestion: Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.
Inhalation: Not expected to be harmful if inhaled.

DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS: Not classified.

4.3 Indication of any immediate medical attention and special treatment needed
Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media
Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

5.2 Special hazards arising from the substance or mixture
Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen .

5.3 Advice for firefighters
This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Eliminate all sources of ignition in vicinity of spilled material. Refer to Sections 5 and 8 for more information.

6.2 Environmental precautions
Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater.

6.3 Methods and material for containment and cleaning up
Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil and dispose of in a manner consistent with applicable requirements. Place other contaminated materials in disposable containers and dispose of in a manner consistent with applicable requirements. Report spills to local authorities as appropriate or required.

6.4 Reference to other sections
See sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling
General Handling Information: The maximum handling temperature is 51°C. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.
Precautionary Measures: Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Wash thoroughly after handling.
Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.
Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. 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 explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

7.2 Conditions for safe storage, including any incompatibilities
General Storage Information: The maximum storage temperature is 45°C.

7.3 Specific end use(s): Diesel Fuel Additive

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

8.1 Control parameters
Occupational Exposure Limits:

Component	Country/ Agency	Form	TWA	STEL	Ceiling	Notation
2-ethylhexan-1-ol	EU-Indicative	--	5.4 mg/m3	--	--	--

Consult local authorities for appropriate values.

8.2 Exposure controls
ENGINEERING CONTROLS:
Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT
Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.
Skin Protection: Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Suggested materials for protective gloves include: Nitrile (0.1mm @ 240-480') EN374, Nitrile (0.4mm @ >480') EN374, Viton Butyl (0.7mm @ >480') EN374.
Respiratory Protection: No respiratory protection is normally required.

ENVIRONMENTAL EXPOSURE CONTROLS:
See relevant Community environmental protection legislation or the Annex, as applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

9.1 Information on basic physical and chemical properties
Appearance
Color: Amber
Physical State: Liquid
Odor: Characteristic
Odor Threshold: No data available
pH: Not Applicable
Melting Point: No data available
Freezing Point: Not Applicable
Initial Boiling Point: No data available
Flashpoint: (Pensky-Martens Closed Cup) 62 °C (144 °F) (Minimum)
Evaporation Rate: No data available
Flammability (solid, gas): Not Applicable
Flammability (Explosive) Limits (% by volume in air):
Lower: Not Applicable Upper: Not Applicable
Vapor Pressure: No data available
Vapor Density (Air = 1): No data available
Relative Density: 0.8540 (Typical) @ 15°C (59°F)
Density: No data available
Solubility: Soluble in hydrocarbons; insoluble in water
Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: 1 mm2/s @ 40°C (104°F) (Minimum)
Explosive Properties: No Data Available
Oxidising properties: No Data Available

9.2 Other Information: No Data Available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
10.2 Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Possibility of hazardous reactions: Hazardous polymerization will not occur.
10.4 Conditions to Avoid: Not applicable
10.5 Incompatible materials to avoid: Not applicable
10.6 Hazardous decomposition products: None known (None expected)

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Product Information:
Serious Eye Damage/Irritation: The eye irritation hazard is based on evaluation of data for product components.

Skin Corrosion/Irritation: The skin irritation hazard is based on evaluation of data for product components.

Skin Sensitization: The skin sensitization hazard is based on evaluation of data for product components.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for product components.

Acute Toxicity Estimate (dermal): Not Applicable

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for product components.

Acute Toxicity Estimate (oral): Not Applicable

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for product components.

Acute Toxicity Estimate (inhalation): Not Applicable

Germ Cell Mutagenicity: The hazard evaluation is based on data for components or a similar material.

Carcinogenicity: The hazard evaluation is based on data for components or a similar material.

Reproductive Toxicity: The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity - Single Exposure: The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity - Repeated Exposure: The hazard evaluation is based on data for components or a similar material.

Aspiration Hazard: No data available

Component Information:

Serious Eye Damage/Irritation:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Test Result: Causes eye irritation * read-across data from similar material

Skin Corrosion/Irritation:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Test Result: Causes skin irritation * read-across data from similar material

Skin Sensitization:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Acute Dermal Toxicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Test Qualifier: LD50 Test Result: >4820 mg/kg Species: rabbit
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Acute Oral Toxicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Test Qualifier: LD50 Test Result: >9640 mg/kg Species: rat
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Acute Inhalation Toxicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Test Qualifier: LC50 Test Result: >4.6 mg/l Species: rat Duration:1 hour(s)
2-ethylhexan-1-ol	Confidential test data

Germ Cell Mutagenicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Carcinogenicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Reproductive Toxicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Specific Target Organ Toxicity - Single Exposure:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Test Result: May cause respiratory irritation

Specific Target Organ Toxicity - Repeated Exposure:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Based on available data, the classification criteria are not met
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

SECTION 12 ECOLOGICAL INFORMATION

Product Information:

12.1 Toxicity

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

12.2 Persistence and degradability

This material is not expected to be readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

12.3 Bioaccumulative potential

Bioconcentration Factor: No Data Available
Octanol/Water Partition Coefficient: No data available

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment
This product is not, or does not contain, a substance that is a potential PBT or a vPvB.

12.6 Other adverse effects
No other adverse effects identified.

Component Information:

Acute Toxicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Confidential test data
2-ethylhexyl nitrate	Protocol :OECD 202-Daphnia Immob/Repro Test Qualifier: LC50 Test Result: >12.6 mg/l Species: Invertebrate Duration:48 hour(s)
2-ethylhexyl nitrate	Confidential test data
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Long-term Toxicity:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	No test data available
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Biodegradation:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	Test Result: Not readily biodegradable Biodegradation: 0%
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

Bioaccumulative Potential:	
Distillates (petroleum), hydrotreated light	Based on available data, the classification criteria are not met
2-ethylhexyl nitrate	No test data available
2-ethylhexan-1-ol	Based on available data, the classification criteria are not met

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by international, country, or local laws and regulations.In accordance with European Waste Catalogue (E.W.C.) the codification is the following:07 07 99

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

ADR/RID

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
14.1 UN number: Not applicable
14.2 UN proper shipping name: Not applicable
14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Not applicable

ICAO

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
14.1 UN number: Not applicable
14.2 UN proper shipping name: Not applicable
14.3 Transport hazard class(es): Not applicable
14.4 Packing group: Not applicable
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Not applicable

IMO

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
14.1 UN number: Not applicable
14.2 UN proper shipping name: Not applicable
14.3 Transport hazard class(es): Not applicable
14.4 Packing group: Not applicable
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REGULATORY LISTS SEARCHED:
01=EU Directive 76/769/EEC: Restrictions on the marketing and use of certain dangerous substances.
02=EU Directive 90/394/EEC: Carcinogens at work.
03=EU Directive 92/85/EEC: Pregnant or breastfeeding workers.
04=EU Directive 96/82/EC (Seveso II): Article 9.
05=EU Directive 96/82/EC (Seveso II): Articles 6 and 7.
06=EU Directive 98/24/EC: Chemical agents at work.
07=EU Directive 2004/37/EC: On the protection of workers.
08=EU Regulation EC No. 689/2008: Annex 1, Part 1.
09=EU Regulation EC No. 689/2008: Annex 1, Part 2.
10=EU Regulation EC No. 689/2008: Annex 1, Part 3.
11=EU Regulation EC No. 850/2004: Prohibiting and restricting persistent organic pollutants (POPs).
12=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.
13=EU REACH, Annex XIV: Candidate List of Substances of Very High Concern for Authorization (SVHC).

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan), IECSC (China).

15.2 Chemical safety assessment
No chemical safety assessment.

SECTION 16 OTHER INFORMATION

REVISION STATEMENT: This is a new Safety Data Sheet. No revision information

Revision Date: October 18, 2019

Full text of CLP H-statements:
H304; May be fatal if swallowed and enters airways
H312; Harmful in contact with skin
H411; Toxic to aquatic life with long lasting effects
H319; Causes serious eye irritation
H302; Harmful if swallowed
H315; Causes skin irritation
H335; May cause respiratory irritation
H332; Harmful if inhaled

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
CVX - Chevron	CAS - Chemical Abstract Service Number
NQ - Not Quantifiable	

Prepared according to the EU Regulation 1907/2006 (as amended) by Chevron Energy Technology Company, 6001 Bollinger Canyon Road, San Ramon, CA 94583.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

No Annex