

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): 804368

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

Chevron Belgium BV
Technologiepark-Zwijnaarde 88
B-9052 Gent
Belgium
email : eumsds@chevron.com

1.4 Emergency telephone number

Transportation Emergency Response

CHEMTREC: +1 703 527 3887
Europe: 0044/(0)18 65 407333 (English only)

Health Emergency

Chevron Emergency Information Center: Located in the USA, international calls accepted 24 hours: +1 510 231 0623

Europe: 0044/(0)18 65 407333 (English only)
Poison Control Center: Belgium: 0032/(0)70 245 245

Product Information

Product Information: FAX number: 0032/(0)9 293 72 22

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	01-2119484819-18	Asp. Tox. 1/H304	60 - 70 %weight
2-ethylhexyl nitrate	Trade secret	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
Branched alkanol	Trade secret	Confidential	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.

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: Storage, processing, handling, and use at temperatures above the flash point can produce ignitable vapors if the liquid is released or vessels are vented. 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
Branched alkanol	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 similar materials or product components.

Skin Corrosion/Irritation: The skin irritation hazard is based on evaluation of data for similar materials or

product components.

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

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

Acute Toxicity Estimate (dermal): Not Applicable

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

Acute Toxicity Estimate (oral): Not Applicable

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or 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
Branched alkanol	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
Branched alkanol	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
Branched alkanol	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: 1000-2000 mg/kg

	Species: rabbit
Branched alkanol	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: 300-2000 mg/kg Species: rat
Branched alkanol	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: 10-20 mg/l Species: rat Duration:1 hour(s)
Branched alkanol	Test Qualifier: LC50 Test Result: 10-20 ppm Species: rat Duration:6 hour(s) * read-across data from similar material

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
Branched alkanol	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
Branched alkanol	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
Branched alkanol	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
Branched alkanol	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
Branched alkanol	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	Protocol :OECD 201-Alga Growth Inhib Test Qualifier: EC50 (growth rate) Test Result: 3.22 mg/l Species: Algae Duration:72 hour(s)
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	Protocol :OECD 203-Fish Acute Tox Test Qualifier: LC50 Test Result: 2 mg/l Species: Fish Duration:96 hour(s)
Branched alkanol	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
Branched alkanol	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%
Branched alkanol	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
Branched alkanol	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 / IATA

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 / IMDG

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: AIC (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: SECTION 01 - Company MSDS Address information was modified.

SECTION 02 - Environmental Classification information was added.

SECTION 02 - Environmental Classification information was deleted.

SECTION 02 - Hazard Statements information was added.

SECTION 02 - Hazard Statements information was deleted.

SECTION 02 - Health Classification information was added.

SECTION 02 - Health Classification information was deleted.

SECTION 02 - Pictogram information was added.

SECTION 02 - Pictogram information was deleted.

SECTION 02 - Precautionary Statements information was added.

SECTION 02 - Precautionary Statements information was deleted.

SECTION 02 - Signal Word information was added.

SECTION 02 - Signal Word information was deleted.

SECTION 03 - Composition information was modified.

SECTION 07 - Precautionary Measures information was modified.

SECTION 08 - Occupational Exposure Limit Table information was modified.

SECTION 09 - Physical/Chemical Properties information was modified.

SECTION 11 - Toxicological Information information was modified.

SECTION 12 - Ecological Information information was added.

SECTION 12 - Ecological Information information was deleted.

SECTION 12 - Ecological Information information was modified.

SECTION 15 - Chemical Inventories information was modified.

Revision Date: September 02, 2020

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
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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