

## SAFETY DATA SHEET



## NEOT Diesel -10,-25, -30

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	15.01.2020
Revision date	27.06.2022

**1.1. Product identifier**

Product name	NEOT Diesel -10,-25, -30
UFI	NSYJ-408S-U70F-ERAA
Synonyms	NEDI -10, NEDI -10 Premium, NEDI -25, NEDI -25 Premium, NEDI -30, NEDI -30 Premium
Article no.	150380

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

Use of the substance / preparation	Distribution of Substance Use as a fuel Formulation & (Re)packing See section 16 for PROC/SU/ERC-codes for identified uses.
Main intended use	PC-FUE-OTH Other fuels

**1.3. Details of the supplier of the safety data sheet**

Company name	North European Oil Trade
Office address	Urho Kekkosen katu 5C, 00100 Helsinki
Postal address	P.O. Box 55
Postcode	00088 S-RYHMÄ
City	Helsinki
Country	Finland
Telephone number	+358 10 768 0862
Email	<a href="mailto:tuotelaatu@neot.fi">tuotelaatu@neot.fi</a>
Website	<a href="http://www.neot.fi/en">www.neot.fi/en</a>
Enterprise No.	F118010565

## 1.4. Emergency telephone number

Emergency telephone	Telephone number: +358 800 147 111 or +358 9 471 977 Description: Poison Information Centre (in Finland), P.O. Box 790 (Tukholmankatu 17), 00029 HUS
	Telephone number: 112 Description: General emergency telephone number

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Carc. 2; H351 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 2; H411
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### 2.2. Label elements

#### Hazard pictograms (CLP)



Composition on the label	Fuels, diesel 0 - 100 %, Renewable hydrocarbons (diesel type fraction) 0 - 100 %, Renewable hydrocarbons (diesel type fraction) 0 - 100 %, Distillates (FischerTropsch) C8-26 – branched and linear 0 - 100 %, MK1 Diesel Fuel
Signal word	Danger
Hazard statements	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H332 Harmful if inhaled. H351 Suspected of causing cancer . H373 May cause damage to organs through prolonged or repeated exposure H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P261 Avoid breathing vapours. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor / if nausea occurs. P331 Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P273 Avoid release to the environment.
Supplemental label information	EUH 066 Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

Hazard description, general	Evaporates slowly.
Health effect	Oil mist may irritate eyes and the respiratory tract.
Environmental effects	Risk of soil and groundwater contamination.
Other hazards	Endocrine disrupting properties: No information.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Fuels, diesel	CAS No.: 68334-30-5 EC No.: 269-822-7 REACH Reg. No.: 01-2119484664-27	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Acute Tox. 4; H332 Carc. 2; H351 STOT RE 2; H373 Aquatic Chronic 2; H411	0 - 100 %	
Renewable hydrocarbons (diesel type fraction)	EC No.: 700-916-7 REACH Reg. No.: 01-2120052680-62-XXXX	Asp. tox. 1; H304 Skin Irrit. 2; H315 STOT RE 2; H373 Aquatic Chronic 3; H412	0 - 100 %	
Renewable hydrocarbons (diesel type fraction)	EC No.: 618-882-6 / 700-571-2 REACH Reg. No.: 01-2119450077-42-XXXX / 01-2120043692-58-XXXX	Asp. tox. 1; H304; Skin Irrit. 2; H315; STOT RE 2; H373; Aquatic Chronic 3; H412;	0 - 100 %	
Distillates (FischerTropsch) C8-26 – branched and linear	CAS No.: 848301-67-7 REACH Reg. No.: 01-0000020119-75-XXXX	Asp. tox. 1; H304 EUH 066	0 - 100 %	
FAME	CAS No.: 67762-38-3 EC No.: 267-015-4 REACH Reg. No.: 01-2119471664-32-XXXX		0 - 7 %	
MK1 Diesel Fuel	CAS No.: - EC No.: 931-250-7 REACH Reg. No.: 01-2119480137-38	Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	0 - 50 %	
Description of the mixture	Mixture of renewable raw material diesel, petroleum product, Fatty Acid Methyl Esters (FAME) and additives.			
Substance comments	<p>Renewable hydrocarbons (diesel type fraction, EC-no: 618-882-6): Identity outside the EU (CAS-number and name of the ingredient): Alkanes, C10-20, branched and linear, CAS 928771-01-1.</p> <p>Renewable hydrocarbons (diesel type fraction, EC-no: 700-916-7): Predominantly rich in saturated hydrocarbons with a carbon number range from C9 to C20. The substance contains benzene <math>\geq 0</math> to <math>&lt; 0.1</math> % (w/w), naphthalene <math>\geq 0.001</math> – <math>\leq 0.5</math> % (w/w) and n-hexane <math>\geq 0</math> to <math>&lt; 2.0</math> % (w/w).</p>			

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	If product has been inhaled, remove victim to fresh air and obtain medical attention.
Skin contact	Remove contaminated clothing. Rinse splashes immediately with plenty of water for several minutes, followed by washing of the affected areas with soap and water. If redness, swelling, pain and/or other skin reactions occur, consult a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. Continue irrigation for at least 15 minutes. If irritation, blurred vision or other symptoms persist, consult a physician (risk of corneal injury).
Ingestion	DO NOT INDUCE VOMITING. If vomiting occurs, help to keep the victim's head down so that aspiration into the lungs will not occur. Obtain medical assistance immediately (risk of aspiration into the lungs and fatal chemical pneumonia especially if nausea or irritation occurs).

### 4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects	Harmful if inhaled. Product may irritate respiratory organs and cause fatal chemical pneumonia. If the product has found its way to the lungs, the following signs and symptoms may appear: fever, shortness of breath, chest pain, difficulty in breathing, wheezing, asphyxia, dyspnoea, coughing etc. Splashes may irritate skin and eyes. Oil mist may irritate eyes and respiratory tract. Respiratory symptoms may occur immediately or several hours after exposure.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Symptomatic treatment. May cause fatal chemical pneumonia.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Dry chemical powder or carbon dioxide. Sand or earth are suitable in small fires. Heavy foam and water mist only for professional firefighters.
Improper extinguishing media	Powerful water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Flammable liquid and vapour. Explosion risk due to pressure increase if product containers or tanks are subjected to fire. The product floats and can be reignited to burn on water surface.
Hazardous combustion products	Toxic or harmful gases may be formed: complex mixtures of airborne particles, gases (smoke), carbon monoxide, oxides of sulfur, organic and inorganic compounds. Carbon dioxide may be formed by incomplete burning.

### 5.3. Advice for firefighters

Fire fighting procedures	Cool product containers and tanks near the fire with water spray from a
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sufficiently safe distance. Prevent entry of extinguishing media into waterways.

## SECTION 6: Accidental release measures

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

Personal protection measures	Avoid skin contact and oil mist aspiration.
Protective equipment	Use appropriate personal protection equipment.
For emergency responders	Evacuate people upwind from the spill area. Ensure adequate ventilation, especially indoors. Vapours are heavier than air and spread along the surface of the ground. Keep unauthorised personnel from entering the danger zone. Remove all ignition sources. Take precautionary measures to avoid electrostatic discharges. Ensure grounding of electrical equipment.

### 6.2. Environmental precautions

Environmental precautionary measures	Stop the leak if it can be done safely. Aim to prevent spreading of the product and extinguishing media into the environment. Liquid product must be contained before it contaminates sewers, soil and waterways. Immediately notify the local authorities about any damage.
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### 6.3. Methods and material for containment and cleaning up

Containment	If possible, extensive leaks into water bodies should be limited by floating booms or other mechanical means.
Clean up	Immediately start clean-up of the liquid product and contaminated soil. Collect the liquid leak by pumping or adsorb small volumes with inert materials (e.g. sand, diatomaceous earth, commercial absorbent). Collect inert materials in suitable labeled containers and close them tightly for disposal.
Other information	Pay attention to the fire and health hazards caused by the product. Use of dispersants should be co-ordinated with an expert; where appropriate, local authorities must approve their use.

### 6.4. Reference to other sections

Other instructions	Safe handling: see Section 7. Personal protective equipment: see Section 8. Disposal: see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective safety measures

Protective safety measures	Handle and store away from all sources of heat or ignition. Take precautionary measures (grounding) against static discharges. Concentrations in air must be kept below any lower explosive limits. Only use in closed systems or ensure adequate ventilation (use process enclosures or local exhaust ventilation if necessary). During tank operations follow special instructions (risk of oxygen displacement,
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Advice on general occupational hygiene	ethers and hydrocarbons). Avoid inhalation of vapours and contact with skin, eyes or clothing. Wash hands after handling. Eating, drinking, and smoking are prohibited while handling the product. If required, use personal protective equipment.
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## 7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in accordance with local regulations. Store in containers and areas suitable for the storage of combustible liquids. Small product batches are stored in tightly sealed containers impermeable to hydrocarbons. Recommended container materials or coatings: mild steel, stainless steel. Use appropriate protective structures, such as collecting pools, loading/unloading station surfacing and sewerage systems to prevent leakage into the environment.
Conditions to avoid	Store away from all sources of heat or ignition and food and drink. Do not store in unmarked containers or vessels.

## 7.3. Specific end use(s)

Specific use(s)	None reported.
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Control parameters comments	Individual limit values can be applied for hydrocarbons. *Occupational exposure monitoring method: SFS-EN 689, NIOSH Method 5026.
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### DNEL / PNEC

Substance	Fuels, diesel
DNEL	<p><b>Group:</b> Professional <b>Route of exposure:</b> Acute inhalation (systemic) <b>Value:</b> 4300 mg/m<sup>3</sup> <b>Reference:</b> 15 minutes. Aerosol.</p> <p><b>Group:</b> Professional <b>Route of exposure:</b> Long-term inhalation (systemic) <b>Value:</b> 68 mg/m<sup>3</sup> <b>Reference:</b> 8 h. Aerosol.</p> <p><b>Group:</b> Professional <b>Route of exposure:</b> Long-term dermal (systemic) <b>Value:</b> 2,9 mg/kg <b>Reference:</b> 8 h.</p> <p><b>Group:</b> Consumer <b>Route of exposure:</b> Acute inhalation (systemic) <b>Value:</b> 2600 mg/m<sup>3</sup> <b>Reference:</b> 15 minutes. Aerosol.</p> <p><b>Group:</b> Consumer <b>Route of exposure:</b> Long-term inhalation (systemic)</p>

Substance	<p><b>Value:</b> 20 mg/m<sup>3</sup>  <b>Reference:</b> 24 h. Aerosol.</p> <p><b>Group:</b> Consumer  <b>Route of exposure:</b> Long-term dermal (systemic)  <b>Value:</b> 1,3 mg/kg bw/day</p>
DNEL	<p><b>Group:</b> Professional  <b>Route of exposure:</b> Long-term inhalation (systemic)  <b>Value:</b> 51,5 mg/m<sup>3</sup>  <b>Reference:</b> EC-no: 700-916-7</p> <p><b>Group:</b> Professional  <b>Route of exposure:</b> Long-term dermal (systemic)  <b>Value:</b> 5,7 mg/m<sup>3</sup>  <b>Reference:</b> EC-no: 700-916-7</p> <p><b>Group:</b> Consumer  <b>Route of exposure:</b> Long-term inhalation (systemic)  <b>Value:</b> 12,9 mg/m<sup>3</sup>  <b>Reference:</b> EC-no: 700-916-7</p> <p><b>Group:</b> Consumer  <b>Route of exposure:</b> Long-term dermal (systemic)  <b>Value:</b> 2,9 mg/kg bw/day  <b>Reference:</b> EC-no: 700-916-7</p>
PNEC	<p><b>Route of exposure:</b> Freshwater  <b>Value:</b> 0,56 - 770 µg/l  <b>Reference:</b> EC-no: 700-916-7  The overall range (all representative components of the substance) estimated with the PETRORISK tool.</p> <p><b>Route of exposure:</b> Saltwater  <b>Value:</b> 0,56 - 770 µg/l  <b>Reference:</b> EC-no: 700-916-7  The overall range (all representative components of the substance) estimated with the PETRORISK tool.</p> <p><b>Route of exposure:</b> Freshwater sediments  <b>Value:</b> 0,29 - 73000 mg/kg  <b>Reference:</b> EC-no: 700-916-7  The overall range (all representative components of the substance) estimated with the PETRORISK tool.</p> <p><b>Route of exposure:</b> Saltwater sediments  <b>Value:</b> 0,29 - 73000 mg/kg  <b>Reference:</b> EC-no: 700-916-7  The overall range (all representative components of the substance) estimated with the PETRORISK tool.</p> <p><b>Route of exposure:</b> Sewage treatment plant STP  <b>Value:</b> 8,4 - 12000 µg/l  <b>Reference:</b> EC-no: 700-916-7  The overall range (all representative components of the substance) estimated</p>

with the PETRORISK tool.

**Route of exposure:** Soil

**Value:** 0,12 - 29000 mg/kg

**Reference:** EC-no: 700-916-7

The overall range (all representative components of the substance) estimated with the PETRORISK tool.

Substance

Renewable hydrocarbons (diesel type fraction)

DNEL

**Group:** Professional

**Route of exposure:** Long-term inhalation (systemic)

**Value:** 147 mg/m<sup>3</sup>

**Reference:** EC-no: 618-882-6 / 700-571-2

**Group:** Professional

**Route of exposure:** Long-term dermal (systemic)

**Value:** 42 mg/kg bw/day

**Reference:** EC-no: 618-882-6 / 700-571-2

**Group:** Consumer

**Route of exposure:** Long-term inhalation (systemic)

**Value:** 94 mg/m<sup>3</sup>

**Reference:** EC-no: 618-882-6 / 700-571-2

**Group:** Consumer

**Route of exposure:** Long-term dermal (systemic)

**Value:** 18 mg/kg bw/day

**Reference:** EC-no: 618-882-6 / 700-571-2

## 8.2. Exposure controls

### Precautionary measures to prevent exposure

Technical measures to prevent exposure

Handle the product in closed systems. Ensure adequate ventilation. Use process enclosures or local exhaust ventilation and personal protection if necessary. Handle with proper personal and process safety. In confined space works use special controls (risk of low oxygen level and hydrocarbons).

### Eye / face protection

Required Properties

Use tight-fitting safety goggles if splashing may occur or aerosol is formed. Use a face shield, if required.

### Hand protection

Suitable gloves type

Wear appropriate chemical-resistant, impervious protective gloves. Standards EN 420 and EN 374.

Suitable materials

Recommended materials: nitrile rubber, neoprene, PVC or Viton™.

Breakthrough time

Value: > 480 minute(s)

Comments: protection index 6 (EN374)

Hand protection, comments

Change protective gloves regularly in order to avoid penetration problems.



## Skin protection

Suitable protective clothing	Wear appropriate antistatic protective clothing. If splashing may occur, use chemical-resistant gloves, footwear and apron.
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## Respiratory protection

Recommended type of equipment	Wear a respirator or half mask. Respiratory protection: combined organic gas and vapour and particle (solid and liquid) filter (type A2-P3). Use respiratory protection according to EN 140 and EN 141.
Respiratory protection, comments	The filter must be changed frequently enough. Filter devices must not be used when oxygen levels are low (< 19 vol.-%). If significant amounts of mist or vapour form, use supplied-air respirator (compressed-air or fresh-air breathing apparatus). The use of filter devices should be limited to max. 2 hrs per day.

## Appropriate environmental exposure control

Environmental exposure controls	Prevent product entry into sewers or the environment. Precautions must be taken against leakages by constructing collecting pools and sewerage systems as well as by surfacing the loading and unloading stations.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Clear or yellowish Clear
Odour	Mild scent of hydrocarbons
Odour limit	Comments: Unknown
pH	Comments: Unknown
Melting point / melting range	Comments: Cloud point
Boiling point / boiling range	Value: 150 - 380 °C Test reference: EN ISO 3405
Flash point	Value: ≥ 55 °C Test reference: EN ISO 2719
Evaporation rate	Comments: Unknown
Flammability	Unknown
Lower explosion limit with unit of measurement	Value: 0,5 vol% Comments: Estimation
Upper explosion limit with units of measurement	Value: 6,0 vol% Comments: Estimation
Vapour pressure	Value: < 1 kPa Comments: 38 °C Estimation
Vapour density	Comments: Unknown
Relative density	Value: 0,8 - 0,85

	Test reference: EN ISO 12185 Comments: Water = 1
Solubility	Comments: Slightly soluble in water
Partition coefficient: n-octanol/ water	Comments: log Pow > 3
Auto-ignition temperature	Value: 210 - 220 °C Comments: Estimation
Decomposition temperature	Comments: Unknown
Viscosity	Value: 2,0 - 4,5 mm <sup>2</sup> /s Test reference: DIN EN ISO 3104 Temperature: 40 °C
Explosive properties	Not classified as explosive
Oxidising properties	Not classified as oxidising

## 9.2. Other information

### 9.2.2. Other safety characteristics

Comments	None reported.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No hazardous reactions known under normal use and storage conditions.
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### 10.2. Chemical stability

Stability	Chemically stable under normal storage conditions.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Unknown
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### 10.4. Conditions to avoid

Conditions to avoid	Keep away from heat sources, fire, sparks and other ignition sources.
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### 10.5. Incompatible materials

Materials to avoid	Oxidizing agents.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products known.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance	Fuels, diesel
Acute toxicity	<p><b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> &gt; 5000 mg/kg <b>Animal test species:</b> Rat <b>Test reference:</b> OECD 401 OECD 420</p> <p><b>Type of toxicity:</b> Acute <b>Effect tested:</b> LC50 <b>Route of exposure:</b> Inhalation. <b>Duration:</b> 4 hour(s) <b>Value:</b> 3,6 - 5,4 mg/l <b>Animal test species:</b> Rat <b>Test reference:</b> OECD 403</p> <p><b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Dermal <b>Value:</b> 4300 mg/kg <b>Animal test species:</b> Rabbit <b>Test reference:</b> OECD 434</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Acute toxicity	<p><b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> &gt; 2000 mg/kg <b>Animal test species:</b> Rat <b>Test reference:</b> OECD 420 <b>Comments:</b> EC-no: 700-916-7</p> <p><b>Type of toxicity:</b> Acute <b>Effect tested:</b> LC50 <b>Route of exposure:</b> Inhalation. <b>Duration:</b> 8 hour(s) <b>Value:</b> 23400 mg/m<sup>3</sup> <b>Animal test species:</b> Rat <b>Comments:</b> EC-no: 700-916-7</p> <p><b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Dermal <b>Value:</b> 40000 mg/kg <b>Animal test species:</b> Mouse <b>Test reference:</b> OECD 402 <b>Comments:</b> EC-no: 700-916-7</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Acute toxicity	<p><b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> &gt; 2000 mg/kg <b>Animal test species:</b> Rat</p>

	<p><b>Test reference:</b> EC B1 tris  <b>Comments:</b> EC-no: 618-882-6 / 700-571-2</p> <p><b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Value:</b> &gt; 2000 mg/kg  <b>Animal test species:</b> Rat  <b>Test reference:</b> EC B3  <b>Comments:</b> EC-no: 618-882-6 / 700-571-2</p>
Substance	Distillates (FischerTropsch) C8-26 – branched and linear
Acute toxicity	<p><b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> &gt; 5000 mg/kg  <b>Animal test species:</b> Rat</p> <p><b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Value:</b> &gt; 2000 mg/kg  <b>Animal test species:</b> Rabbit</p>
Other toxicological data	Harmful if inhaled.

### Other information regarding health hazards

Inhalation	Vapours and mist may irritate the respiratory tract.
Skin contact	Irritates the skin. Prolonged or repeated contact may cause skin irritation and drying.
Eye contact	Vapour and mist may irritate the eyes.
Sensitisation	The product is not classified as sensitizing.
Mutagenicity	<p>Fuels, diesel:  In vitro studies, mutagenic effects have been observed but the effects were not observed in in vivo studies.(OECD 471, 475).  Renewable hydrocarbons (diesel type fraction, EC-no: 618-882-6 / 700-571-2):  No mutagenic effects were observed in in vitro studies (EC B10, B13/14, B17).</p>
Carcinogenicity, other information	<p>Fuels, diesel:  The product is suspected of causing cancer. In animal studies, skin tumours have been observed in mice from prolonged contact.</p>
Reproductive toxicity	<p>Fuels, diesel:  Not classifiable as teratogenic (OECD 414).  Renewable hydrocarbons (diesel type fraction, EC-no: 618-882-6 / 700-571-2):  The product is not classified as a reproductive toxicant (OECD 416).</p>
Assessment of specific target organ toxicity - single exposure, classification	The product is not classified as toxic to specific target organs in case of single exposure.
Assessment of specific target organ toxicity - repeated exposure, classification	<p>Fuels, diesel:  The product is classified as toxic to specific target organs in case of repeated exposure. May cause damage to organs through prolonged or repeated exposure. Target organs: blood, thymus and liver.  Renewable hydrocarbons (diesel type fraction, EC-no: 700-916-7):  The substance causes dermatitis and neurotoxicity. It is classified for STOT RE 2</p>

	H373. Renewable hydrocarbons (diesel type fraction, EC-no: 618-882-6 / 700-571-2): No known effects (OECD 408).
Aspiration hazard, comments	The product may be fatal if swallowed and enters airways. May cause fatal chemical pneumonia, if product gets in lungs (aspiration).

## Symptoms of exposure

In case of ingestion	Ingestion may cause irritation of the gastrointestinal tract.
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## 11.2 Other information

Endocrine disruption	No data available about the product as such. Ingredients: no endocrine disrupting properties reported.
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## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Fuels, diesel
Aquatic toxicity, fish	<p><b>Toxicity type:</b> Acute <b>Value:</b> 21 mg/l <b>Effect dose concentration:</b> LL50 <b>Exposure time:</b> 96 hour(s) <b>Species:</b> Oncorhynchus mykiss (Rainbow trout) <b>Test reference:</b> WAF (OECD 203, EC C.1)</p> <p><b>Toxicity type:</b> Acute <b>Value:</b> 10 mg/l <b>Effect dose concentration:</b> NOEL <b>Exposure time:</b> 96 hour(s) <b>Species:</b> Oncorhynchus mykiss (Rainbow trout) <b>Test reference:</b> WAF (OECD 203, EC C.1)</p> <p><b>Toxicity type:</b> Chronic <b>Value:</b> 0,08 mg/l <b>Effect dose concentration:</b> NOEL <b>Exposure time:</b> 14 day(s) <b>Test reference:</b> QSAR</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Aquatic toxicity, fish	<p><b>Toxicity type:</b> Acute <b>Value:</b> 31 mg/l <b>Effect dose concentration:</b> LL50 <b>Exposure time:</b> 96 hour(s) <b>Test reference:</b> OECD 203 <b>Comments:</b> EC-no: 700-916-7</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Aquatic toxicity, fish	<p><b>Toxicity type:</b> Acute <b>Value:</b> &gt; 1000 mg/l <b>Effect dose concentration:</b> LL50 <b>Exposure time:</b> 96 hour(s)</p>

Substance	Distillates (FischerTropsch) C8-26 – branched and linear
Aquatic toxicity, fish	<p><b>Test reference:</b> WAF (OECD 203)  <b>Comments:</b> EC-no: 618-882-6 / 700-571-2</p> <p><b>Toxicity type:</b> Acute  <b>Value:</b> &gt; 100 mg/l  <b>Effect dose concentration:</b> LL50  <b>Exposure time:</b> 96 hour(s)</p> <p><b>Toxicity type:</b> Chronic  <b>Value:</b> &gt; 100 mg/l  <b>Effect dose concentration:</b> NOEL  <b>Exposure time:</b> 14 day(s)</p>
Substance	Fuels, diesel
Aquatic toxicity, algae	<p><b>Toxicity type:</b> Acute  <b>Value:</b> 10 mg/l  <b>Exposure time:</b> 72 hour(s)  <b>Species:</b> Pseudokirchneriella subcapitata  <b>Test reference:</b> WAF (OECD 201, EC C.3)  <b>Comments:</b> Effect dose concentration: EbL</p> <p><b>Toxicity type:</b> Acute  <b>Value:</b> 3 mg/l  <b>Effect dose concentration:</b> NOEL  <b>Exposure time:</b> 48 hour(s)  <b>Test reference:</b> WAF (OECD 201, EC C.3)</p> <p><b>Toxicity type:</b> Acute  <b>Value:</b> 1 mg/l  <b>Effect dose concentration:</b> NOEL  <b>Exposure time:</b> 72 hour(s)  <b>Species:</b> Pseudokirchneriella subcapitata  <b>Test reference:</b> WAF (OECD 201, EC C.3)</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Aquatic toxicity, algae	<p><b>Toxicity type:</b> Acute  <b>Value:</b> &gt; 100 mg/l  <b>Effect dose concentration:</b> EL50  <b>Exposure time:</b> 72 hour(s)  <b>Test reference:</b> OECD 201  <b>Comments:</b> EC-no: 700-916-7</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Aquatic toxicity, algae	<p><b>Toxicity type:</b> Acute  <b>Value:</b> &gt; 100 mg/l  <b>Effect dose concentration:</b> EL50  <b>Exposure time:</b> 72 hour(s)  <b>Test reference:</b> WAF (OECD 201)  <b>Comments:</b> EC-no: 618-882-6 / 700-571-2</p>
Substance	Distillates (FischerTropsch) C8-26 – branched and linear
Aquatic toxicity, algae	<p><b>Toxicity type:</b> Acute  <b>Value:</b> &gt; 100 mg/l</p>

Substance	Fuels, diesel
Aquatic toxicity, crustacean	<p><b>Effect dose concentration:</b> EL50  <b>Exposure time:</b> 72 hour(s)</p> <p><b>Toxicity type:</b> Acute  <b>Value:</b> 68 mg/l  <b>Effect dose concentration:</b> EL50  <b>Exposure time:</b> 48 hour(s)  <b>Test reference:</b> WAF (OECD 202, EC C.2)</p> <p><b>Toxicity type:</b> Acute  <b>Value:</b> 47 mg/l  <b>Effect dose concentration:</b> NOEL  <b>Exposure time:</b> 48 hour(s)  <b>Test reference:</b> WAF (OECD 202, EC C.2)</p> <p><b>Toxicity type:</b> Chronic  <b>Value:</b> 0,2 mg/l  <b>Effect dose concentration:</b> NOEL  <b>Exposure time:</b> 21 day(s)  <b>Test reference:</b> QSAR</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Aquatic toxicity, crustacean	<p><b>Toxicity type:</b> Acute  <b>Value:</b> 68 mg/l  <b>Effect dose concentration:</b> EL50  <b>Exposure time:</b> 48 hour(s)  <b>Test reference:</b> OECD 202  <b>Comments:</b> EC-nro: 700-916-7</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Aquatic toxicity, crustacean	<p><b>Toxicity type:</b> Acute  <b>Value:</b> &gt; 100 mg/l  <b>Effect dose concentration:</b> EL50  <b>Exposure time:</b> 48 hour(s)  <b>Test reference:</b> WAF (OECD 202)  <b>Comments:</b> EC-nro: 618-882-6 / 700-571-2</p> <p><b>Toxicity type:</b> Chronic  <b>Value:</b> 1 mg/l  <b>Effect dose concentration:</b> NOEC  <b>Exposure time:</b> 21 day(s)  <b>Test reference:</b> WAF (OECD 211)  <b>Comments:</b> EC-nro: 618-882-6</p> <p><b>Toxicity type:</b> Chronic  <b>Value:</b> 3,2 mg/l  <b>Effect dose concentration:</b> LOEC  <b>Exposure time:</b> 21 day(s)  <b>Test reference:</b> WAF (OECD 211)  <b>Comments:</b> EC-nro: 618-882-6</p>
Substance	Distillates (FischerTropsch) C8-26 – branched and linear
Aquatic toxicity, crustacean	<p><b>Toxicity type:</b> Acute  <b>Value:</b> &gt; 100 mg/l</p>

	<p><b>Effect dose concentration:</b> EL50 <b>Exposure time:</b> 48 hour(s)</p> <p><b>Toxicity type:</b> Chronic <b>Value:</b> &gt; 10 -100 mg/l <b>Effect dose concentration:</b> NOEL <b>Exposure time:</b> 21 day(s)</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Toxicity to sediment living organisms	<p><b>Toxicity type:</b> Chronic <b>Value:</b> 373 mg/kg <b>Effect dose concentration:</b> NOEC <b>Exposure time:</b> 10 day(s) <b>Test reference:</b> OSPAR Protocols, Part A: Sediment Bioassay, 2005 <b>Comments:</b> EC-no: 618-882-6</p> <p><b>Toxicity type:</b> Chronic <b>Value:</b> 1165 mg/kg <b>Effect dose concentration:</b> LOEC <b>Exposure time:</b> 10 day(s) <b>Test reference:</b> OSPAR Protocols, Part A: Sediment Bioassay, 2005 <b>Comments:</b> EC-no: 618-882-6</p> <p><b>Toxicity type:</b> Chronic <b>Value:</b> 1200 mg/kg <b>Effect dose concentration:</b> LC50 <b>Exposure time:</b> 10 day(s) <b>Test reference:</b> OSPAR Protocols, Part A: Sediment Bioassay, 2005 <b>Comments:</b> EC-no: 618-882-6</p>
Substance	Fuels, diesel
Impact on sewage treatment	<p><b>Value:</b> &gt; 1000 mg/l <b>Effect dose concentration:</b> EL50 <b>Exposure time:</b> 40 hour(s) <b>Test reference:</b> QSAR <b>Comments:</b> Toxicity to micro-organisms (sludge).</p> <p><b>Value:</b> 3,22 mg/l <b>Effect dose concentration:</b> NOEL <b>Exposure time:</b> 40 hour(s) <b>Test reference:</b> QSAR <b>Comments:</b> Toxicity to micro-organisms (sludge).</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Impact on sewage treatment	<p><b>Value:</b> 39,25 mg/l <b>Exposure time:</b> 3 hour(s) <b>Test reference:</b> OECD 209 GLP <b>Comments:</b> Effect dose concentration: EL10 EC-no: 700-916-7 Toxicity to micro-organisms (sludge).</p>
Substance	Renewable hydrocarbons (diesel type fraction)
Impact on sewage treatment	<p><b>Value:</b> &gt; 1000 mg/l <b>Effect dose concentration:</b> EC50</p>



**Exposure time:** 30 minute(s)  
**Test reference:** OECD 209  
**Comments:** Toxicity to micro-organisms (sludge). EC-no: 618-882-6

**Value:** > 1000 mg/l  
**Effect dose concentration:** EC50  
**Exposure time:** 3 hour(s)  
**Test reference:** OECD 209  
**Comments:** Toxicity to micro-organisms (sludge). EC-no: 618-882-6

Ecotoxicity

Toxic to aquatic life with long lasting effects.  
 Renewable hydrocarbons (diesel type fraction, EC-no: 700-916-7 / 700-571-2):  
 Effects of long term toxicity to aquatic organisms are unknown.

## 12.2. Persistence and degradability

Persistence and degradability description/evaluation	Does not hydrolyse in water. Gas-oil hydrocarbons may also degrade photochemically in surface water. Volatile hydrocarbons undergo atmospheric degradation.
Biodegradability	<p>Value: 33 %            Test reference: OECD 301B; GLP            Comments: Renewable hydrocarbons (diesel type fraction, EC-no: 700-916-7): Not biodegradable.            Test period: 28 day(s)</p> <p>Test reference: OECD 301F            Comments: Fuels, diesel: Quickly biodegradable.</p> <p>Test reference: OECD 301B            Comments: Renewable hydrocarbons (diesel type fraction, EC-no: 618-882-6 / 700-571-2): Quickly biodegradable.</p>

## 12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Contains components that may be bioaccumulative (log Kow > 3).
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## 12.4. Mobility in soil

Mobility	The product evaporates slowly from water and soil surfaces. The product is slightly water-soluble. May leach through soil and pollute groundwater. Under anaerobic conditions, the degradation is very slow. Petroleum and gas-oil hydrocarbons can be adsorbed onto organic material in soil or sediment.
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## 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
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## 12.6. Endocrine disrupting properties

## 12.7. Other adverse effects

Additional ecological information	The product may stick to organisms and be lethally harmful. The product forms a film on the water surface, which can affect the oxygen balance and damage the organisms.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Hazardous waste. Dispose of in accordance with the waste legislation and instructions given by environmental authorities. When handling waste, observe the hazards and take all necessary precautionary measures. Empty containers may contain flammable remnants of product. Dispose of empty containers for recovery, recycling or waste.
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## SECTION 14: Transport information

### 14.1. UN number

ADR/RID/ADN	1202
IMDG	1202
ICAO/IATA	1202

### 14.2. UN proper shipping name

Proper shipping name English	DIESEL FUEL
ADR/RID/ADN	DIESEL FUEL
ADR/RID/ADN	DIESEL FUEL
IMDG	DIESEL FUEL
ICAO/IATA	DIESEL FUEL

### 14.3. Transport hazard class(es)

ADR/RID/ADN	3
Classification code ADR/RID/ADN	F1
IMDG	3
ICAO/IATA	3

### 14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

### 14.5. Environmental hazards

IMDG Marine pollutant	Kyllä
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### 14.6. Special precautions for user

Special safety precautions for user	Unknown.
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### 14.7. Maritime transport in bulk according to IMO instruments

Product name	DIESEL FUEL
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Ship type required	2
Pollution category	X

### Additional information

Hazard label ADR/RID/ADN	3
Hazard label IMDG	3
Hazard label ICAO/IATA	3
Additional information	Bulk (MARPOL 73/78, Annex I): Energy-rich fuels

This cargo is considered an Energy-rich fuel and effective 1 January 2019 should be carried subject to Annex I of MARPOL, see Annex 12 of MEPC.2/Circ.24. Please also refer to MEPC.1/Circ.879 -GUIDELINES FOR THE CARRIAGE OF ENERGY-RICH FUELS AND THEIR BLENDS.

### ADR/RID Other information

Tunnel restriction code	D/E
Transport category	3
Hazard No.	30
Other applicable information ADR/RID	30

### IMDG Other information

EmS	F-E, S-E
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## SECTION 15: Regulatory information

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


Legislation and regulations	The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
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### 15.2. Chemical safety assessment

Chemical safety assessment performed	Yes
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## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	EUH 066 Repeated exposure may cause skin dryness or cracking. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer .
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	<p>H373 May cause damage to organs through prolonged or repeated exposure</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
Recommended restrictions on use	<p>Identified uses:</p> <p>Distribution of the substance (SU3; PROC: 1, 2, 3, 4, 8a, 8b, 9, 15; ERC: 4, 5, 6a, 6b, 6c, 6d, 7)</p> <p>Use as a fuel</p> <p>Industrial (SU 3; PROC: 1, 2, 3, 8a, 8b,16; ERC: 7)</p> <p>Professional (SU 22; PROC: 1, 2, 3, 8a, 8b, 16; ERC: 9a, 9b)</p> <p>Consumers (SU 21; PROC 13; ERC: 9a, 9b)</p> <p>Formulation &amp; (Re)packing of Substances (SU 10; PROC: 1, 3, 4, 5, 8a, 8b, 9, 14, 15; ERC: 2)</p> <p>DO NOT TRY TO SUCK DIESEL OIL USING YOUR MOUTH.</p>
Additional information	Neot Oy, Tuotelaatu, +358 10 768 0862, tuotelaatu@neot.fi
Key literature references and sources for data	Regulations, databases, literature. Concawe Report No. 6/05, 01/54, 08/12. Chemical safety reports. Finnish-language SDS for the product (15 January 2020)
Abbreviations and acronyms used	<p>CLP: Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on Classification, Labelling and Packaging of substances and mixtures, amending and repealing directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.</p> <p>DSD: Dangerous Substances Directive - Council Directive 67/548/EEC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.</p> <p>DPD: Dangerous Preparations Directive - Directive 1999/45/EC of the European Parliament and of the Council concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.</p> <p>OEL (HTP): Occupational exposure limit, concentrations known to be hazardous</p> <p>DNEL: Derived No-Effect Level</p> <p>EL50: Effective level 50 % (median effective level): loading rate of the substance which kills or immobilizes 50 % of exposed organisms</p> <p>IL50: Inhibitory level: concentration that inhibits a biological function by 50%.</p> <p>LD50: Lethal dose: dose that kills 50% of exposed organisms.</p> <p>LL50: Lethal level: loading rate that kills 50% of exposed organisms.</p>
Information added, deleted or revised	Section 16 Other information
Version	5
Exposure scenario	 Diesel ES_02012020.pdf