SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

DIESEL

Version number: 1.0. Date of compilation: 2020-12-08 SDS01

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

1.1 Product identifier

Trade name	**Diesel**
Registration number (REACH)	Not relevant (mixture)
Unique formula identifier (UFI)	J800-30GS-D00H-P1KF

Other means of identification

Alternative name(s)	diesel 10 ppm, gasoil 50 ppm, gasoil 0,1%

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

Relevant identified uses	Fuels Fuel (diesel oil) Distribution

1.3 Details of the supplier of the safety data sheet

VARO Energy Netherlands B.V.
Waalhaven Z.Z. 11
3089 JH Rotterdam
Netherlands

Telephone: +31 (0)881007000

e-mail (competent person) HSE@varoenergy.com

1.4 Emergency telephone number

Country	Name	Telephone	Opening hours
United Kingdom	National Poisons Information Service (NPIS)	0344-8920111 (medical profes-sionals only)	Mon - Fri 09:00 - 17:00
United Kingdom	NHS (general public)	non-emergency: 111 or a doctor; emergency: 999	Mon - Fri 09:00 - 17:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Sec-tion	Hazard class	Cat-egory	Hazard class and category	Hazard statement
2.6	flammable liquid	3	Flam. Liq. 3	H226
3.1I	acute toxicity (inhal.)	4	Acute Tox. 4	H332
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.6	carcinogenicity	2	Carc. 2	H351
3.9	specific target organ toxicity - repeated exposure	2	STOT RE 2	H373

Sec-tion	Hazard class	Cat-egory	Hazard class and category	Hazard statement
3.10	aspiration hazard	1	Asp. Tox. 1	H304
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- signal word: Danger

- pictograms

GHS02, GHS07, GHS08, GHS09

- 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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P331	Do NOT induce vomiting.
P403+P235	Store in a well-ventilated place. Keep cool.

- hazardous ingredients for labelling: Fuels, diesel; Renewable hydrocarbons (diesel type fraction); C8-C26 branched and linear hydrocarbons – Distillates

2.3 Other hazards

Of no significance.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to 1272/2008/EC	Pictograms	Notes	Specific Conc. Limits	M-Factors
Fuels, diesel	CAS No 68334-30-5 EC No 269-822-7 Index No 649-224-00-6 REACH Reg. No 01-2119484664-27-xxxx	≤ 100	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				
C8-C26 branched and linear hydrocarbons – Distillates	CAS No 848301-67-7 EC No 481-740-5 REACH Reg. No 01-0000020118-77-xxxx 01-0000020119-75-xxxx	≤ 50	Asp. Tox. 1 / H304 EUH066				
Renewable hydrocarbons (diesel type fraction)	CAS No 928771-01-1 REACH Reg. No 01-2119450077-42-xxxx	≤ 50	Asp. Tox. 1 / H304 EUH066				

Name of substance	Identifier	Specific Conc. Limits	M-Factors	ATE	Exposure route
Fuels, diesel	CAS No 68334-30-5 EC No 269-822-7	-	-	11 $^{mg}/_{l}$/4h >1.7 $^{mg}/_{l}$/4h	inhalation: vapour inhalation: dust/mist

Remarks

For full text of H-phrases: see SECTION 16. All the percentages given are percentages by weight unless stated otherwise.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Call a POISON CENTER/doctor.

Following skin contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell. Observe aspiration hazard if vomiting occurs. Immediately call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Delayed effects can be expected after short or long-term exposure. Nausea. Dizziness. Death following aspiration.

4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the poison centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water mist; Dry extinguishing powder; Carbon dioxide (CO_2); Alcohol resistant foam

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours may form explosive mixtures with air. Danger of bursting container. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO_2).

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Personal protective equipment: see section 8.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority. Collect contaminated firefighting water separately.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Collect spillage. Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.). Use explosion-proof electrical/ventilating/lighting/equipment.

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use only outdoors or in a well-ventilated area. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use local and general ventilation. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Collect spillage.

- specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Keep away from food, drink and animal feedingstuffs. Personal protective equipment: see section 8.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

- incompatible substances or mixtures

Incompatible materials: see section 10.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

There is no additional information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Fuels, diesel	68334-30-5	DNEL	68.34 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Fuels, diesel	68334-30-5	DNEL	4,288 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
Fuels, diesel	68334-30-5	DNEL	2.91 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant DNELs of components of the mixture						
Name of sub-stance	**CAS No**	**End-point**	**Threshold level**	**Protection goal, route of exposure**	**Used in**	**Exposure time**
Fuels, diesel	68334-30-5	DNEL	20.22 mg/m³	human, inhalat-ory	consumer (private households)	chronic - system-ic effects
Fuels, diesel	68334-30-5	DNEL	2,573 mg/m³	human, inhalat-ory	consumer (private households)	acute - systemic effects
Fuels, diesel	68334-30-5	DNEL	1.25 mg/kg bw/day	human, dermal	consumer (private households)	chronic - system-ic effects
Fuels, diesel	68334-30-5	DNEL	1.25 mg/kg bw/day	human, oral	consumer (private households)	chronic - system-ic effects
Renewable hydro-carbons (diesel type fraction)	928771-01-1	DNEL	147 mg/m³	human, inhalat-ory	worker (industry)	chronic - system-ic effects
Renewable hydro-carbons (diesel type fraction)	928771-01-1	DNEL	42 mg/kg bw/day	human, dermal	worker (industry)	chronic - system-ic effects
Renewable hydro-carbons (diesel type fraction)	928771-01-1	DNEL	94 mg/m³	human, inhalat-ory	consumer (private households)	chronic - system-ic effects
Renewable hydro-carbons (diesel type fraction)	928771-01-1	DNEL	18 mg/kg bw/day	human, dermal	consumer (private households)	chronic - system-ic effects
Renewable hydro-carbons (diesel type fraction)	928771-01-1	DNEL	18 mg/kg bw/day	human, oral	consumer (private households)	chronic - system-ic effects

Relevant PNECs of components of the mixture						
Name of sub-stance	**CAS No**	**End-point**	**Threshold level**	**Organism**	**Environmental compartment**	**Exposure time**
C8-C26 branched and linear hydro-carbons – Distil-lates	848301-67-7	PNEC	10 mg/l	aquatic organ-isms	sewage treat-ment plant (STP)	short-term (single instance)
C8-C26 branched and linear hydro-carbons – Distil-lates	848301-67-7	PNEC	2.06 mg/kg	aquatic organ-isms	freshwater sedi-ment	short-term (single instance)
C8-C26 branched and linear hydro-carbons – Distil-lates	848301-67-7	PNEC	1.68 mg/kg	terrestrial organ-isms	soil	short-term (single instance)
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	33.3 mg/kg	aquatic organ-isms	water	short-term (single instance)

Relevant PNECs of components of the mixture						
Name of sub-stance	**CAS No**	**End-point**	**Threshol d level**	**Organism**	**Environmental compartment**	**Exposure time**
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	0.1 mg/l	aquatic organ-isms	water	intermittent re-lease
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	0.01 mg/l	aquatic organ-isms	freshwater	short-term (single instance)
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	0.01 mg/l	aquatic organ-isms	marine water	short-term (single instance)
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	10 mg/l	aquatic organ-isms	sewage treat-ment plant (STP)	short-term (single instance)
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	3,810 mg/kg	aquatic organ-isms	freshwater sedi-ment	short-term (single instance)
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	3.73 mg/kg	aquatic organ-isms	marine sediment	short-term (single instance)
Renewable hydro-carbons (diesel type fraction)	928771-01-1	PNEC	761 mg/kg	terrestrial organ-isms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

Use only outdoors or in a well-ventilated area. Use local exhaust ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

Protective clothing (EN 340 & EN ISO 13688).

- hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- type of material

Nitrile rubber

- material thickness

≥ 0,38 mm.

- breakthrough times of the glove material

Use gloves with a minimum breakthrough times of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Wash hands thoroughly after handling.

Respiratory protection

Do not breathe vapour. Use local and general ventilation. In case of inadequate ventilation wear respiratory protection. Type: A (against organic gases and vapours with a boiling point of > 65 °C , colour code: Brown). At high concentrations (like vessel/ container cleaning) a breathing apparatus must be used (self-contained: SCBA/ fresh air hose breathing apparatus). (concentration oxygen <19.5%: wear self-contained breathing apparatus).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	transparent - yellow
Odour	Diesel
Melting point/freezing point	<0 °C calculated value, referring to a component of the mixture
Boiling point or initial boiling point and boiling range	140 – 460 °C at 101.3 kPa calculated value, referring to a component of the mixture
Evaporation rate	not determined
Flammability	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	LEL: UEL: not determined
Flash point	>55 °C at 101.3 kPa calculated value, referring to a component of the mixture
Auto-ignition temperature	>225 °C (auto-ignition temperature (liquids and gases)) calculated value, referring to a component of the mixture
Decomposition temperature	no data available
pH (value)	not determined
Kinematic viscosity	1.5 – 5 cSt at 40 °C
Solubility(ies)	not determined

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	4 hPa at 40 °C calculated value, referring to a component of the mixture

Density	845 $^{kg}/_{l}$ at 15 °C

Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes	there is no additional information
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Strong oxidisers.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use local exhaust ventilation.

10.5 Incompatible materials

Oxidisers. Acids.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Harmful if inhaled.

- acute toxicity estimate (ATE)

Exposure route	ATE
Inhalation: vapour	11 $^{mg}/_{l}$/4h

- acute toxicity of components of the mixture

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	**CAS No**	**Exposure route**	**ATE**
Fuels, diesel	68334-30-5	inhalation: vapour	11 $^{mg}/_{l}$/4h
Fuels, diesel	68334-30-5	inhalation: dust/mist	>1.7 $^{mg}/_{l}$/4h

Acute toxicity of components of the mixture					
Name of substance	**CAS No**	**Exposure route**	**Endpoint**	**Value**	**Species**
Fuels, diesel	68334-30-5	oral	LD50	>5,000 $^{mg}/_{kg}$	rat
Fuels, diesel	68334-30-5	inhalation: dust/mist	LC50	>1.7 $^{mg}/_{l}$/4h	rat
Fuels, diesel	68334-30-5	dermal	LD50	>2,000 $^{mg}/_{kg}$	rabbit
Fuels, diesel	68334-30-5	inhalation: vapour	LC50	3.6 $^{mg}/_{l}$/4h	rat
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	oral	LD50	>5,000 $^{mg}/_{kg}$	rat
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	dermal	LD50	>2,000 $^{mg}/_{kg}$	rat
Renewable hydrocarbons (diesel type fraction)	928771-01-1	oral	LD50	>2,000 $^{mg}/_{kg}$	rat
Renewable hydrocarbons (diesel type fraction)	928771-01-1	dermal	LD50	>2,000 $^{mg}/_{kg}$	rat

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation
Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation
Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity
Shall not be classified as germ cell mutagenic.

Carcinogenicity
Suspected of causing cancer.

Reproductive toxicity
Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure
Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard (aspiration hazard).
May be fatal if swallowed and enters airways.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Fuels, diesel	68334-30-5	LL50	>100 mg/l	fish	24 h
Fuels, diesel	68334-30-5	EL50	180 mg/l	aquatic invertebrates	24 h
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	LL50	>1,000 mg/l	fish	24 h
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	EC50	>1,000 mg/l	aquatic invertebrates	48 h
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	EL50	>1,000 mg/l	algae	72 h
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	NOEC	1,000 mg/l	aquatic invertebrates	48 h
Renewable hydrocarbons (diesel type fraction)	928771-01-1	LL50	>1,000 mg/l	fish	96 h

Aquatic toxicity (acute) of components of the mixture					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
Renewable hydrocarbons (diesel type fraction)	928771-01-1	EL50	>100 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
Fuels, diesel	68334-30-5	EL50	>1,000 mg/l	microorganisms	40 h
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	EC50	>1,000 mg/l	microorganisms	3 h
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	NOEC	1,000 mg/l	microorganisms	3 h
Renewable hydrocarbons (diesel type fraction)	928771-01-1	EL50	>100 mg/l	aquatic invertebrates	21 d
Renewable hydrocarbons (diesel type fraction)	928771-01-1	EC50	>1,000 mg/l	microorganisms	30 min
Renewable hydrocarbons (diesel type fraction)	928771-01-1	LOEC	3.2 mg/l	aquatic invertebrates	21 d
Renewable hydrocarbons (diesel type fraction)	928771-01-1	NOEC	1 mg/l	aquatic invertebrates	21 d

Biodegradation

The relevant substances of the mixture are readily biodegradable.

12.2 Persistence and degradability

Degradability of components of the mixture					
Name of substance	**CAS No**	**Process**	**Degradation rate**	**Time**	**Method**
Fuels, diesel	68334-30-5	oxygen depletion	57.5 %	28 d	
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	carbon dioxide generation	8.4 %	28 d	
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	oxygen depletion	68 %	28 d	
Renewable hydrocarbons (diesel type fraction)	928771-01-1	carbon dioxide generation	82 %	28 d	

12.3 Bioaccumulative potential

Bioaccumulative potential of components of the mixture				
Name of substance	**CAS No**	**BCF**	**Log KOW**	**BOD5/COD**
C8-C26 branched and linear hydrocarbons – Distillates	848301-67-7	1,600 – 2,000	>6.5 (pH value: ~7, 40 °C)	
Renewable hydrocarbons (diesel type fraction)	928771-01-1	>3.2 – ≤1,950	>6.5 (pH value: ~7, 30 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN	UN 1202
IMDG-Code	UN 1202
ICAO-TI	UN 1202

14.2 UN proper shipping name

ADR/RID/ADN	DIESEL FUEL complying with standard EN 590
IMDG-Code	DIESEL FUEL

ICAO-TI	Diesel fuel

14.3 Transport hazard class(es)

ADR/RID/ADN	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

ADR/RID/ADN	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards hazardous to the aquatic environment

Environmentally hazardous substance (aquatic environment): Fuels, diesel

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information

Classification code	F1
Danger label(s)	3, fish and tree

Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	640L, 664
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	D/E
Hazard identification No	30
Emergency Action Code	3Y

Remarks

Dangers (ADN). N2,F
NSTR:3251, DIESELBRANDSTOF / DIESELFUEL.

International Maritime Dangerous Goods Code (IMDG) - additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Fuels, diesel)
Danger label(s)	3, fish and tree

Special provisions (SP)	–
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, S-E
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	3

Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	CAS No	Restriction	No
diesel 10 ppm, gasoil 50 ppm, gas-oil 0,1%	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3	3
Fuels, diesel	flammable / pyrophoric		R40	40

Legend

R3 1. Shall not be used in:
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
- can be used as fuel in decorative oil lamps for supply to the general public, and,
- present an aspiration hazard and are labelled with R65 or H304,
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
(a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly

Legend

marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
(b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
(c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.
7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

R40 1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- 'whoopee' cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
'For professional users only'.
3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).
4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

Seveso Directive

2012/18/EU (Seveso III)				
No	**Dangerous substance/hazard categories**	**Qualifying quantity (tonnes) for the application of lower and upper-tier requirements**		**Notes**
34c	petroleum products (gas oils)	2,500	25,000	12)

Notation

12) including diesel fuels, home heating oils and gas oil blending streams

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Water Framework Directive (WFD)

None of the ingredients are listed.

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

15.2 Chemical Safety Assessment

For the substances of this mixture a chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

First version.

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances

Abbr.	Descriptions of used abbreviations
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LEL	Lower explosion limit (LEL)
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STOT RE	Specific target organ toxicity - repeated exposure
SVHC	Substance of Very High Concern
UEL	Upper explosion limit (UEL)

Abbr.	Descriptions of used abbreviations
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
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.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.