

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

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

1.1. Product identifier:

Shell FuelSave Diesel - Shell FuelSave Diesel (B0), Shell FuelSave Diesel (B7), Shell FuelSave Diesel (B0) Coloured
 UFI: TA00-C0F3-300T-Q2HU

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

Recommended use: Fuel.

Not recommended for other uses.

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

DCC Energi Danmark A/S

Nærum Hovedgade 8

Tel.: +45 7010 2200

DK-2850 Nærum

Denmark

Responsible for the safety data sheet (e-mail): erhverv@dccenergi.dk

1.4. Emergency telephone number:

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

CLP (1272/2008): 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

2.2. Label elements:



DANGER

Contains: Fuels, diesel.
 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 (central nervous system) through prolonged or repeated exposure.
 H411: Toxic to aquatic life with long lasting effects.
 P201: Obtain special instructions before use.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260: Indånd ikke damp/spray.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection.
 P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P391: Collect spillage.
 P501: Dispose of contents/container according to local regulations.

2.3. Other hazards:

Risk of slip-and-fall injuries.

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Regulation 2023/707.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances:

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
50-100	Fuels, diesel-	68334-30-5	269-822-7	649-224-00-6	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
10-50	Alkanes C10-20, branched and linear	928771-01-1	618-882-6	-	01-2119450077-42	Asp. Tox. 1;H304 EUH066
0-50	Distillates (Fischer-Tropsch), C8-26 - Branched and linear	848301-67-7	481-740-5	-	01-0000020119-75	Asp. Tox. 1;H304
0-7	Fatty acids, C16-18- and C18-unsaturated, methyl esters (FAME, Biodiesel)	67762-38-3	267-015-4	-	01-2119471664-32	-
0-0,5	Naphthalene	91-20-3	202-049-5	601-052-00-2	-	Acute Tox.4;H302 Carc.2;H351 Aquatic Acute1;H400 Aquatic Chronic1;H410
0-0,5	Cumene	98-82-8	202-704-5	601-024-00-x	-	Flam. Liq.3;H226 Asp. Tox.1;H304 STOT SE3;H335 Carc. 1B;H350 Aquatic Chronic2;H411

Wording of hazard statements - see section 16.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

General:	Remove clothes contaminated with oil. Do not keep oily cloths in pockets
Inhalation:	Move the affected person to fresh air. Mild cases: Keep at rest. If needed: get medical attention. Severe cases: Place the person in recovery position and keep warm. If respiration has stopped, administer artificial respiration. Seek medical advice immediately.
Skin contact:	Remove contaminated clothing and wash skin with water and mild soap. In case of rash, wound, or other skin irritation: Seek medical advice.
Eye contact:	Immediately flush with water or physiological salt water for at least 15 minutes, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical attention; continue to flush on the way.
Ingestion:	Rinse mouth and drink plenty of water. Do not induce vomiting. If vomiting occurs keep head down to avoid vomit in the lungs. Call a physician or ambulance immediately.
Burns:	Flush with water until pain ceases. Remove cloth that isn't burnt to the skin. If needed seek medical attention, continue to flush on the way.

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

Irritation of the lungs, skin and eyes. Defatting of the the skin with eczema, cracking, redness and itching. Inhalation may cause headaches, dizziness and drowsiness. Ingestion and vomiting can cause small drops of the product to enter into the lungs and lead to chemical pneumonia and water in the lungs. Note that symptoms (breathing difficulties) can occur several hours after exposure. Organic solvents can cause damage to the liver, kidneys and central nervous system (including brain damage). May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed:

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Firefighting measures

5.1. Extinguishing media:

Use water spray (never water jet), dry chemical, foam or carbon dioxide.

5.2. Special hazards arising from the substance or mixture:

Flammable liquid and vapour. Vapours may form explosive mixtures with air and can travel along the ground to an ignition source and flash back to vapour source. Avoid inhalation of fumes. In case of fire the product may form hazardous decomposition products such as carbon oxides.

5.3. Advice for firefighters:

Remove containers if possible or keep containers cool by spraying with water. When extinguishing fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8. Avoid further spreading. Ensure good ventilation. Keep unauthorized personnel away.

6.2. Environmental precautions:

Do not empty into drains. Inform the local environmental authorities of any release into the environment.

6.3. Methods and material for containment and cleaning up:

Spills form a slippery surface on contact with water (risk of slip-and-fall injuries). Absorb spilled liquid with a cloth, inert material, or similar. Place in a suitable container for disposal. Wash with a strong detergent. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See above.

SECTION 7: Handling and storage

AVOID ALL CONTACT.

7.1. Precautions for safe handling:

Organize all work so as to prevent exposure. Rinse if skin is contaminated. Change contaminated clothes immediately. Good personal hygiene is necessary. After use, wash with plenty of soap and water. Avoid breathing vapours or aerosols. Provide adequate ventilation. Do not eat, drink, smoke or store food, beverages and tobacco when there is a risk of contamination by carcinogens. Great caution is advised when driving vehicles or operating machines. Flammable, do not use near fire or sparks. Do not smoke. Required access to emergency shower, water and eye wash fountain.

7.2. Conditions for safe storage, including any incompatibilities:

In sealed container, dry, cool, and well-ventilated and in a flammable liquid storage area.

Keep locked up and out of reach of unauthorized personnel and separated from food, feed, drugs etc.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:

UK: Occupational exposure limits (EH40/2020):

Substance	8-hour TWA	15-min STEL	Comments
Oil mist, mineral	5 mg/m ³	10 mg/m ³	-

DNEL:	Exposure	Value	Population	Effect
Fuels, diesel	Long term - Inhalation	68 mg/m ³	Workers	Systemic
	Long term - Skin contact	2,9 mg/kg	Workers	Systemic
Naphthalene	Long term - Ingestion	4,23 mg/kg	Consumers	Systemic

PNEC:	Medium	Value
Fuels, diesel	Fresh water	21 µg/l

8.2. Exposure controls:

Appropriate engineering controls: Provide adequate ventilation.

Personal protective equipment:

Respiratory protection: In case of inadequate ventilation: Use an approved mask with gas filter class A (Brown - for organic vapours) (EN 140). The filter has a limited lifetime and must be changed. Read the manufacturer's instructions.

Skin protection: Wear protective gloves of e.g. PVA or nitrile rubber (EN374). Breakthrough time of the ingredients is not available. Discard gloves at any suspicion of contamination.

Eye protection: Wear tightly fitting safety goggles (EN ISO 16321-1) or full face shield (EN 175) when there is risk of splashes.

Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Colourless or coloured
Odour:	Diesel
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	170 - 390
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol-%):	1 - 6
Flash point (°C):	56 - 75
Auto-ignition temperature (°C):	> 220
Decomposition temperature (°C):	Not determined
pH:	Not determined
Kinematic viscosity (mm ² /s at 40°C):	2 - 4,5
Solubility:	Insoluble in water
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure (kPa, 38°C):	≤ 0,4
Density and/or relative density:	0.820-0.845
Relative vapour density:	Not determined
Particle characteristics:	Not determined
9.2. Other information:	Conductivity: < 100 pS/m

SECTION 10: Stability and reactivity

10.1. Reactivity:

Flammable liquid and vapour. Stable under normal conditions (see section 7).

10.2. Chemical stability:

Flammable at temperatures above the flash point (56°C).

10.3. Possibility of hazardous reactions:

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid:

Avoid formation of sparks, glows and strong heat.

10.5. Incompatible materials:

Strong oxidizers.

10.6. Hazardous decomposition products:

When heated to very high temperatures (decomposition) it emits toxic gases: carbon oxides.

SECTION 11: Toxicological information

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

Acute toxicity: Acute Tox.4;H332 Harmful if inhaled.

Skin corrosion/irritation: Skin Irrit. 2;H315 Causes skin irritation.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Carc. 2;H351 Suspected of causing cancer.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: STOT RE 2;H373 May cause damage to organs (central nervous system) through prolonged or repeated exposure.

Aspiration hazard: Asp. Tox. 1;H304 May be fatal if swallowed and enters airways.

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation	LC ₅₀ (rat) 1000-5000 mg/m ³ (Product)	No info	Supplier
Dermal	LD ₅₀ (rabbit) > 2000 mg/kg (Product)	No info	Supplier
Oral	LD ₅₀ (rat) > 5000 mg/kg (Product)	No info	Supplier
Corrosion/irritation:	Skin irritation, no eye irritation, rabbit (Fuels, diesel)	OECD 404, 405	ECHA
Sensitization:	Ikke sensibiliserende	No info	Supplier
CMR:	Skin cancer in animals (Fuels, diesel) Cancer in lung and nose in animals (Naphthalene).	Various	ECHA

SECTION 11: Toxicological information (cont.)

Information on likely routes of exposure: Lungs, skin and gastrointestinal tract.

Symptoms:

- Inhalation: Inhalation of vapours/aerosols can irritate the respiratory tract and cause malaise, headache, drowsiness and dizziness.
- Skin: Irritates the skin. Prolonged or repeated contact may cause defatting. The oil may give rise to oil acne and abscesses, which is localized to the places where the garments greased rubs against the skin.
- Eyes: May cause irritation with redness, stinging, pain and maybe blurred vision.
- Ingestion: May irritate the mucous membranes of the gastrointestinal tract and possible cause nausea, vomiting and diarrhoea. Ingestion and vomiting can cause small drops of the product to enter into the lungs and lead to chemical pneumonia and water in the lungs. Note that symptoms (breathing difficulties) can occur several hours after exposure.
- Chronic effects: Causes cancer. Prolonged exposure to organic solvents can cause damage to the liver, kidneys and central nervous system (including brain damage).
Prolonged or repeated skin contact may cause dermatitis with the risk of cracking, redness and itching.

11.2. Information on other hazards:

None known.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data (Fuels, diesel)	Test (Media)	Reference
Fish	LC ₅₀ (96h) = 1 - 10 mg/l	No info	Supplier
Crustacean	EC ₅₀ (48h) = 1 - 10 mg/l	No info	Supplier
Algae	ErC ₅₀ (72h) = 1 - 10 mg/l	No info	Supplier

12.2. Persistence and degradability:

Expected to be rapidly degradable.

12.3. Bioaccumulative potential:

Contains substances that may bioaccumulate

12.4. Mobility in soil:

The substance floats on water.

12.5. Results of PBT and vPvB assessment:

The ingredients are not considered PBT/vPvB according to criteria in Regulation 2023/707.

12.6. Endocrine disrupting properties:

None known.

12.7. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Disposal should be according to local, state or national legislation. Dispose through authority facilities or pass to a chemical disposal company.

EWC-Code: 13 07 01 (product) and 15 02 02 (Paper and similar contaminated with the reagent)

SECTION 14: Transport information

14.1. UN number or ID number: 1202

14.2. UN proper shipping name: Diesel.

14.3. Transport hazard class(es): 3.

14.4. Packing group: III.

14.5. Environmental hazards: Yes.

14.6. Special precautions for user: None.

14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: Regulatory information

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

Must not be used by persons under 18 years of age.

The employer shall assess the working conditions and, if there is any risk to the safety or health and any effects on the pregnancy or breastfeeding of workers, take the necessary measures to adjust the working conditions (Directive 92/85/EEC).

15.2. Chemical safety assessment:

No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 2 and 3:

H226:	Flammable liquid and vapour.
H302:	Harmful if swallowed.
H304:	May be fatal if swallowed and enters airways
H315:	Causes skin irritation.
H332:	Harmful if inhaled.
H335:	May cause respiratory irritation.
H350:	May cause cancer.
H351:	Suspected of causing cancer.
H373:	May cause damage to organs (central nervous system) through prolonged or repeated exposure.
H400:	Very toxic to aquatic life.
H410:	Very toxic to aquatic life with long lasting effects.
H411:	Toxic to aquatic life with long lasting effects.
EUH 066:	Repeated exposure may cause skin dryness or cracking.

Abbreviations:

CMR = Carcinogenicity, mutagenicity og reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50 %

LC₅₀ = Lethal Concentration 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

Suppliers safety data sheet.

Training advice:

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant.

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