



SAFETY DATA SHEET
HYDROGENATED VEGETABLE OIL (HVO)

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Compilation date: 12/11/2019

Revision No: 1

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

1.1. Product identifier

Product name: HYDROGENATED VEGETABLE OIL (HVO)

REACH registered number(s): 2119450077-42-XXXX

CAS number: 928771-01-1

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

Use of substance / mixture: ES02 Formulation and (re) packing of substances and mixtures ES04 Distribution of substance. ES05 Use as an intermediate. ES06,14,23 Use as a fuel.

1.3. Details of the supplier of the safety data sheet

Company name: CROWN OIL LTD
THE OIL CENTRE
BURY NEW ROAD
HEAP BRIDGE
BURY
BL9 7HY

Email: technical@crownoil.co.uk

1.4. Emergency telephone number

Emergency tel: 0161 7646622

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Asp. Tox. 1: H304

Most important adverse effects: May be fatal if swallowed and enters airways.

2.2. Label elements

Label elements:

Hazard statements: H304: May be fatal if swallowed and enters airways.

Hazard pictograms: GHS08: Health hazard



Signal words: Danger

Precautionary statements: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331: Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: RENEWABLE HYDROCARBONS, ALKANES C10-C20 BARANCHED AND LINEAR

CAS number: 928771-01-1

REACH registered number(s): 2119450077-42-XXXX

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: In case of fire, use water spray (fog), foam, dry chemical or CO₂. DO NOT USE WATER JET. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: During fire, toxic gases (CO, CO₂) are formed.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Steel or stainless steel containers or tanks.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	100 mg/m ³	-	-	-

DNEL/PNEC Values

HYDROGENATED VEGETABLE OIL (HVO)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	147 mg/m ³	Workers	Systemic
DNEL	Dermal	42 mg/m ³	Workers	Systemic
DNEL	Inhalation	94 mg/m ³	Consumers	Systemic
DNEL	Dermal	18 mg/kg/day	Consumers	Systemic

[cont...]

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Hazardous ingredients:

RENEWABLE HYDROCARBONS, ALKANES C10-C20 BARANCHED AND LINEAR

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	147 mg/m ³	Workers	Systemic
DNEL	Dermal	42mg/kg/day	Workers	Systemic
DNEL	Inhalation	94 mg/m ³	Consumers	Systemic
DNEL	Dermal	18mg/kg/day	Consumers	Systemic

8.2. Exposure controls

Respiratory protection: Not normally required, but if needed use a gas/vapour filter, type A:organic vapours (EN140).

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Mild hydrocarbon

Evaporation rate: Slow

Solubility in water: Insoluble

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Kinematic viscosity: 2.6

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)

Boiling point/range°C: 180-320

Melting point/range°C: < -20

Flash point°C: >61

Autoflammability°C: 204

Vapour pressure: 0.087 kPa@25C

Relative density: 0.78

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

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10.3. Possibility of hazardous reactions

Hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Conditions to avoid: Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.
Heat, flames and sparks. Take precautionary measures against static discharges.
Strong oxidising agents.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

RENEWABLE HYDROCARBONS, ALKANES C10-C20 BARANCHED AND LINEAR

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	LL50 96hr	>1000	mg/l
INVERTEBRATES	EL50 48hr	>100	mg/l

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ALGAE	EL50 72hr	>100	mg/l
MICROORGANISMS	EC50 30-180 mins	>1000	mg/l

Hazardous ingredients:

RENEWABLE HYDROCARBONS, ALKANES C10-C20 BARANCHED AND LINEAR

ALGAE	EL50 72hr	>100	mg/l
FISH	LL50 96hr	>1000	mg/l
INVERTEBRATES	EL50 48hr	>100	mg/l
MICROORGANISMS	EC50 30-180 mins	>1000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Rapidly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1202

14.2. UN proper shipping name

Shipping name: Diesel fuel

14.3. Transport hazard class(es)

Transport class: 3 (F+(floater))

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14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H304: May be fatal if swallowed and enters airways.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.