

# COSHH Risk Assessment No: FD COSHH - 003



Revision No:

Date: 09.03.23

Describe the activity or work process.  
*(Include how long and how often this is carried out and the quantity of substance used)*

Refilling of vehicles with HVO (Hydrotreated Vegetable Oil) carried out as part of the process for refuelling vehicles as required.

Location of process being carried out?

Depot

Identify the persons at risk:

Employees  (including trainees)

Contractors

Public  (including students)

Name the substance involved in the process and its manufacturer.  
*(A copy of a current safety data sheet for this substance should be attached to this assessment)*

HVO – renewable hydrocarbons (diesel type fraction)

Classification (Tick (✓) the category of danger)

Irritant	Harmful	Toxic/ Very toxic	Oxidiser	Explosive	Dangerous to environment	Corrosive	Flammable/ Highly flammable	Health hazard
								X

Hazard Type

Gas  
  Vapour  
  Mist  
  Fume  
  Dust  
  Liquid  
  Solid  
  Other (State):

Route of Exposure

Inhalation  
  Skin  
  Eyes  
  Ingestion  
  Other (State):

Workplace Exposure Limits (WELs) *please indicate n/a where not applicable*

Long-term exposure level (8hrTWA):

Short-term exposure level (15 mins):  
10min

State the Risks to Health from Identified Hazards

May be fatal if swallowed or enters airways  
 Combustable liquid  
 Risk of solid and ground water contamination  
 Skin Irritation

**Control Measures:** (for example extraction, ventilation, training, supervision). Include special measures for vulnerable groups, such as disabled people and pregnant workers. Take account of those substances that are produced from activities undertaken by another employer's employees.

HVO fuel will not be decanted into containers for transport or storage.  
 Ensure that Drivers are aware not to inhale the fumes.  
 Driver Training on no naked flames while fuelling  
 Drivers to wear appropriate gloves while fuelling to avoid contact with the skin  
 Refuelling takes place outdoors so ample fresh air  
 Appropriate spill kits available for containing any spilled liquid. In the event of an uncontrolled spillage or discharge into surface drains or the environment, notify the Pollution Hotline on [0800 807060](tel:0800807060).  
 Good basic hygiene including regular hand-washing and avoiding hand to mouth/eye contact.

Is health surveillance or monitoring required? (Delete as appropriate) Yes / No  
 If Yes details of required monitoring: no

**Personal Protective Equipment** (✓ the type and then state type and standard)

						
Visor	Respirator	Eye protection	Dust Mask	Overalls	Gloves	Other
					X	

**First Aid Measures**

Following Inhalation – if spray or mist has been inhaled remove person to fresh air and keep comfortable.  
 Following Skin Contact - Remove contaminated clothing immediately, wash skin with lots of soap and water.  
 Following eye contact – rinse immediately with plenty water.  
 Following Ingestion - Do not induce vomiting, obtain medical attention immediately, Do not give mouth to mouth resuscitation do not give anything by mouth because of risk of material entering the lungs and causing lung damage, if the person is drowsy or unconscious and vomiting, place on left side with head down, if possible do not leave unattended and observe closely for adequacy of breathing.

If symptoms persist and don't subside within a few minutes after first aid measures have been carried out, seek immediate medical attention and have the Safety Data Sheet to hand.

**Storage**

HVO fuel will be stored on-site in an underground storage tank. Fuel will not be decanted into containers for transport or storage.  
 Keep storage area free from heat and sources of ignition.  
 Keep storage area free from oxidising agents and reducing agents.

**Disposal of Substances & Contaminated Containers**

HVO fuel will not be decanted into containers for transport or storage.  
 Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

**Risk Assessment Outcome**

Is exposure adequately controlled? Yes  No

Actions required: To be completed by: Date to be completed:

**Risk Rating Following Control Measures**

High  Medium  Low