










## RISK & OPPORTUNITIES - COSHH ASSESSMENT 001

<b>MANUFACTURER</b>	<b>CERTAS ENERGY UK LTD</b>	<b>PRODUCT</b>	<b>DIESEL FUEL</b>	MSDS validation	05/01/2024
<i>Emergency contacts</i>	Product: Contact supplier	National Emergency Tel: Hazchem Line +0044 [0] 7970 779878	Environment Agency: 0800 80 70 60 (24-hour service)	Water Authority: 03457 145 145	

<b>WORK TASK</b>	<i>Works reference [where required]</i>		<i>Client / Workplace / Yard</i>	<i>Line manager/person in charge</i>	
<i>Site/location of use</i>					
<i>Start date:</i>			<i>End date:</i>		
<i>Worker participation &amp; consultation</i>					
<b>PRODUCT USE</b>	Number of persons directly exposed	Indirect exposure	Packaging and amount used	Duration of exposure	How often is this substance used
Refuelling vehicles with diesel road fuel from metered pumps. De-cantered into smaller vessels and into diesel fuelled equipment i.e., generators, construction plant etc.	Drivers filling up 3-5 Refuelling small plant 3-5	Unprotected persons and unauthorised persons must be denied access.	Variable depending on purpose. triggered/untriggered nozzle. Make full use of plant nappies for storage and decanting.	<15 minutes	Daily/weekly

<b>HAZARDS CLASSIFICATION</b>		<i>Warning Signal [tick]</i>	<b>DANGER</b>	
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<i>Hazard statements</i>	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 (Thymus, liver, bone marrow) through prolonged or repeated exposure. H411: Toxic to aquatic life with long lasting effects.	<i>Precautionary Statements</i>	P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P260: Do not breathe vapours P273: Avoid release to the environment P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P501: Dispose of contents/container to approved disposal facility.					
<i>GHS05 Labelling:</i>								
								
	FLAMMABLE					ACUTE HAZARD	SERIOUS HAZARD	ENVIRONMENT DAMAGE
<i>Primary substance</i>	<b>Hydrocarbons, normal and branch-chained</b>							

<b>FIRST AID</b>				
<i>General</i>	<i>Inhalation:</i>	<i>Skin</i>	<i>Eye</i>	<i>Ingestion</i>
<i>First Aid</i> <i>Self-protection of the first aider:</i> <i>No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid</i>	Remove person from area of exposure to fresh air and keep comfortable for breathing. Keep warm and at rest. If symptoms persist, obtain medical attention.	Remove contaminated clothing immediately. Wash with plenty of soap and water. If skin irritation occurs obtain medical advice/attention. Wash contaminated clothing before reuse.	Remove contact lenses if present and easy to do. Wash eyes immediately with plenty of water, making sure to rinse under eyelids. If symptoms persist, obtain medical attention.	Obtain medical attention immediately. Do not induce vomiting. 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 person is drowsy or

<p>to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>				<p>unconscious and vomiting, place on left side with head down. If possible, do not leave unattended and observe closely for adequacy of breathing.</p>
<p>Most important symptoms and effects acute &amp; delayed</p>	<p>Most important symptoms and effects, both acute and delayed:            Skin contact causes irritation, redness, and pain. Repeated exposure may cause skin dryness or cracking. Eye contact may cause slight irritation, watering, redness, and pain. Inhalation of high concentrations of vapours may cause drowsiness or dizziness. Ingestion may cause irritation of the mouth and digestive tract. If swallowed, aspiration into lungs may result in chemical pneumonia. Suspected of causing cancer. May cause damage to organs (Thymus, liver, bone marrow) through prolonged or repeated exposure. In case of accident or if you feel unwell, seek medical advice immediately. If swallowed, patient should be monitored for signs of breathing difficulty as effects of aspiration may be delayed for up to 48 hours. If breathing is laboured, oxygen should be administered by qualified personnel.</p>			






<p><b>FIRE</b></p>	<p><i>Extinguishing</i></p>	<p>Foam, CO2, or dry powder. Do not use water jet.</p>
	<p><i>Special hazards</i></p>	<p>Flammable liquid and vapour: Vapour may form explosive mixture with air. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance. The pressure in sealed containers can increase under the influence of heat. Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</p>







<p><b>ACCIDENTAL RELEASE</b></p>	<p><i>Personal precautions</i></p>	<p><b>For non-emergency personnel</b>            Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use explosion-proof electrical, ventilating and lighting equipment. Caution – spillage area may be slippery.  <b>For emergency responders</b>            Keep unnecessary personnel away. Wear suitable protective clothing (See Section 8). Contaminated clothing should be thoroughly cleaned.</p>
	<p><i>Environmental precautions</i></p>	<p>Stop the leak if it is safe to do so. Contain the spillage with sand, earth, or any suitable absorbent material. Use sand, earth, or any suitable non-combustible absorbent material on spillages. Using non-sparking tools transfer the contaminated absorbent material into a container for disposal.</p>
	<p><i>Spillage-clean up</i></p>	<p>For spillages on water, remove use appropriate methods such as skimming, booms or adsorbents. For spillages onto soil, remove contaminated soil for remediation or disposal in accordance with local regulations. Waste containers used should be plastic-lined sealable drums. Containers should be sealed before being disposed of via an authorised waste disposal contractor.</p>



<b>DISPOSAL</b>	EWC	13 07 01* (fuel oil and diesel). Waste codes should be assigned by the user based on the application for which the product was used.
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<b>HANDLING</b>	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Take precautionary measures against static discharge. Use only non-sparkling tools. Use explosion-proof electrical, ventilating and lighting equipment. Use only outdoors or in a well-ventilated area. Provide adequate ventilation, including local extraction, to ensure occupational exposure limits are not exceeded. Avoid breathing vapours/spray. Avoid contact with skin and eyes. Do not eat, drink, or smoke in the vicinity of the product. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse or dispose of as hazardous waste.	
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<b>STORAGE</b>	Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat, or flame. Protect from direct sunlight.	
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<b>EXPOSURE</b>	EH40	Long duration exposure limit 8-hr TWA reference period 1200 mg.m <sup>3</sup>	Short duration exposure limit 15minute reference period not given mg.m <sup>3</sup>				
COSHH e-tool ID: AL19899720	e-tool date 09/02/23						Health surveillance

<b>EXPOSURE CONTROL</b>	Engineering controls	Ensure adequate ventilation achieved by local exhaust extraction or general ventilation		
<i>Personal &amp; Respiratory Protective Equipment</i>		Always a last resort and only after considered after all other measures have been taken		
 EN374/388 Chemical Butyl rubber/nitrile rubber gloves	 EN20345 Industrial	 EN465 Liquid chemicals Long-sleeved working clothing, and long trousers.	 EN166 CL3 Splash-side shields	
 EN140 Valve half mask/Organic vapor filter (Type A Where airborne levels below the exposure limits cannot be maintained, wear an air-purifying	 Eyewash		Other: Click or tap here to enter text.	

respirator (EN 140) with a Type A/P2 filter or better suitable for organic gases and vapours	EN15154-4 non-plumbed in eye wash	 Emergency Shower n/a	
PROPERTIES	Red liquid, characteristic odour.		 Odour notice reqd <span style="background-color: #0056b3; color: white; padding: 2px 5px; font-weight: bold;">NO</span>
TRAINING	Classified as most hazardous and carries the signal word: DANGER! Exposure is limited to those refuelling vehicles. The risks are from eye and skin contact and breathing in vapours/mists. An exclusion zone is to be established at refuelling points. Those re-fuelling must wear the full protective clothing provided, nitrile gloves, eye, and face protection. Mouth and nose protection are considered necessary in areas where there is a potential for airborne exposure to be above the exposure limits. Only authorised and trained persons are permitted to carry out this operation. Suitable and appropriate training should be provided and include emergency procedures.		
MONITORING	<b>Change and review:</b> The originator is responsible for ensuring that the assessment is reviewed when it is no longer valid. This could be after the results of any monitoring, changes in law, technology, or work process. As a minimum the assessment is to be reviewed annually.		

