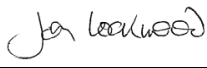




	Safety Data Sheet		White Diesel				
	Authorised by	Jon Lockwood	Signed				
Issue no.	3	Issued Date	21/05/2024	Review Date	May 2026	References	COSHH 0005

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

1.1 Product Identifier						
Product form		Liquid				
Product name & synonyms		ULSD (Ultra Low Sulphur Diesel), ADO (Automotive Diesel Oil), Derv (Diesel Engine Road Vehicle)				
Product identifier / code	EC No.	269-822-7	CAS No.	68334-30-5	REACH No.	01-8130493590-1-0018
1.2 Relevant identified uses of the substance or mixture and uses advised against						
1.2.1 Relevant identified uses						
Main use category		Fuel, diesel				
Use of the substance / mixture		Distribution of substance. Formulation and (re) packaging of substance				
1.2.2 Uses advised against						
None known						
1.3 Details of the supplier of the safety data sheet						
New Era Fuels Ltd. Riverview House, River Way, Harlow, Essex. CM20 2EA				Tel. no. 01279 425 757 Email info@newerafuels.co.uk		
1.4 Emergency telephone number				01279 425 757 Mon-Fri 08.00 to 17.00		

Section 2: Hazards Identification

2.1 Classification of the substance or mixture (according to Regulation (EC) No. 1272/2008 [CLP])							
Classification according to GB CLP Regulation (EC 2008/1272/GBRET)							
Dangerous		Xn; R65		Xi; R38		N; R51/53	R10
Classification according to Regulation (EC) No. 1272/2008 [CLP]							
Hazard area	Hazard type	Category	Hazard statements				
Physical Hazards	Flammable liquid	3	H226 – Flammable liquid and vapour				
Health hazards	Skin corrosion / irritation	2	H315 – Causes skin irritation				
	Acute tox. (inhalation)	4	H332 – Harmful if inhaled				
	Carc.	2	H351 – Suspected of causing cancer				
	STOT RE	2	H373 – May cause damage to organs through prolonged or repeated exposure				
Environmental hazards	Aspiration	1	H304 – May be fatal if swallowed & enters airways				
	Aquatic, chronic	2	H411 – Toxic to aquatic life with long-lasting effects				
2.2 Label elements (according to Regulation (EC) No. 1272/2008 [CLP]) as amended							
Contains	-				ID No.	-	
Hazard pictograms	   						
Precautionary statements	P260 – Do not breathe dust / fumes / gas / mist / vapours / spray P273 – Avoid release to the environment P280 – Wear protective gloves P301 + P 310 – IF SWALLOWED: Immediately call a POISON CENTRE or doctor / physician P331 – Do NOT induce vomiting P403 + P235 – Store in a well-ventilated place. Keep cool P501 – Dispose of contents/containers in accordance with local/regional/national/international regulations						
2.3 Other hazards							
Not relevant							

Section 3: Composition / information on ingredients

3.1 Substance		
Name	Product Identifier	%
Fuels, diesel	EC Index: 649-224-00-6	>93%
3.2 Mixtures		
Product may contain up to 7% (v/v) of C16-C18 Fatty acid methyl esters		

Section 4: First aid measures	
If exposed or concerned, seek medical advice. Show this SDS to the Doctor. Wash contaminated clothing before re-use	
4.1 Description of first aid measures	
Eye contact	Flush thoroughly with water, for at least 15 minutes - If irritation occurs, seek medical advice
Skin contact	Wash area with soap & water - Remove (& launder) contaminated clothing. If skin irritation persists seek medical advice
Inhalation	Keep at rest. Remove to fresh air. Seek medical advice if necessary
Ingestion	Do not induce vomiting. Rinse mouth. Drink plenty of water. Seek medical attention.
First aider to protect themselves. Show this SDS to the doctor in attendance. Treat symptomatically	
4.2 Most important symptoms and affects, both acute and delayed	
Eye contact	May cause irritation. May provoke redness.
Skin contact	Irritating to skin. May provoke redness.
Inhalation	May cause irritation of respiratory tract. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea & vomiting.
Ingestion	Harmful. May cause lung damage if swallowed. May cause gastrointestinal irritation, nausea, vomiting & diarrhoea
4.3 Indication of any immediate medical attention and special treatment needed	
When symptoms persist or in all cases of doubt, seek medical advice.	

Section 5: Firefighting measures	
Heating may generate vapours which may form explosive vapour / air mixtures. Containers may explode when heated.	
5.1 Extinguishing media	
Suitable extinguishing media	Water spray. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	Do not use a high-volume water jet as it may scatter and spread fire
5.2 Special hazards arising from the substance or mixture	
Fire hazard	Combustible material
Specific hazards	Vapours may form an explosive mixture with air Vapours are heavier than air & may spread along floors & flash back over considerable distance The pressure in sealed containers can increase under the influence of heat. Cool containers / tanks with water spray
Hazardous decomposition products	Noxious & toxic fumes may be released (COx, H2S, SOx)
5.3 Advice for firefighters	
Wear PPE. Wear self-contained breathing apparatus & full protective clothing. Cool tanks with water spray	

Section 6: Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1 For non-emergency personnel	
Evacuate personnel to safer area. Ensure adequate ventilation. Wear PPE. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Keep away from open flames, hot surfaces and sources of ignition. Use explosion proof equipment. Non-sparking tools should be used. Do not breathe vapours or spray mist. Do not smoke.	
6.1.2 For emergency responders	
Only qualified personnel with suitable PPE may intervene. Wear gloves and eye/ face protection.	
6.2 Environmental precautions	
Avoid release to the environment. Do not flush into surface water or sanitary sewer system	
6.3 Methods and material for containment and cleaning up	
For containment	Prevent further leakage or spillage. Prevent entry into waterways, sewers, basements or confined areas
Cleaning up	Use inert absorbent spill kits, dry earth, sand or non-combustible materials. Sweep up into containers for disposal
Other information	Dispose of contaminated materials or solid residues using a registered waste contractor
6.4 Reference to other sections	
For further information refer to sections 8 and 13	

Section 7: Handling and storage	
7.1 Precautions for safe handling	
Precautions for safe handling	Ensure good ventilation of the work area. Wear PPE. Avoid contact with skin, eyes & clothing.
Handling measures	Wear PPE. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove & wash contaminated clothing before re-use.
7.2 Conditions for safe storage, including any incompatibilities	
Storage conditions	Store in a dry, cool, well-ventilated area. Keep container closed. Store in original container.
Incompatibilities	Away from oxidisers, strong acids & bases
7.3 Specific end use(s)	
No additional information available	






Section 8: Exposure controls / personal protection

8.1 Control parameters

Component			
Fuels, diesel (68334-30-5)	TLV-TWA (mg/m ³)	100 (Belgium);	
	TLV-STEL (mg/m ³)	(mist) 10300 (UK); 3 (Sweden)	
DNEL/DMEL (general population)	Long-term - systematic effects, oral		19 mg/kg bodyweight/day
PNEC (additional information)	Substance of unknown or variable composition, complex reaction products or biological material (UVCB)		No data available

8.2 Exposure controls

Avoid all unnecessary exposure. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn.

Engineering controls	Adequate ventilation & keep mist low. Goggles if splashing is possible. Eye wash / shower available.			
Personal protective equipment	Safety boots & Hi-vis top required on site. Gloves, eye protection, protective clothing where appropriate			
Materials for protective clothing	Wear suitable protective clothing			
Hand protection	Chemically resistant gloves.			
Eye protection	Goggles, safety glasses or face shield			
Skin and body protection	Overalls, apron and boots recommended			
Respiratory protection	Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment For work in storage tanks use self-contained breathing apparatus (EN 137)			
Thermal hazards	Not required under normal use			
Boots 	Hi-vis top 	Overalls 	Eye protection 	Gloves 
Hygiene measures	Not covered in supplier data sheet			
Environmental exposure controls	Avoid release to the environment. Do not flush into surface water or sanitary sewer system			

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state - Appearance / form	Liquid			
Colour	Pale yellow			
Odour	Petroleum hydrocarbon			
Odour threshold	No data available			
pH	No data available			
Relative evaporation rate	No data available			
Melting point	No data available			
Freezing point	No data available			
Boiling point	170 – 370 °C			
Flash point	>55 °C			
Auto-ignition point	No data available			
Decomposition temperature	No data available			
Flammability (solid, gas)	Not applicable			
Upper / lower flammability or explosive limits	Lower (%)	-	Upper (%)	-
Vapour pressure	<1 kPa @ 20 °C			
Relative vapour density at 20 °C	No data available			
Relative density at 15 °C	No data available			
Density	820 - 845 kg/m ³ @ 15 °C			
Solubility	Slightly soluble (,20 mg/l @20 °C)			
Viscosity	2.0 – 4.5 mm/s ² @ 40 °C			
Explosive properties	No data available			
Oxidising properties	No data available			
Partition coefficient	>3 (n-octanol / water)			

9.2 Other information



Other properties	No data available
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Section 10: Stability and reactivity	
10.1 Reactivity	
Flammable liquid (see 10.5)	
10.2 Chemical stability	
Stable under normal conditions	
10.3 Possibility of hazardous reactions	
No data available	
10.4 Conditions to avoid	
Heat, flames and sparks (see Section 7)	
10.5 Incompatible materials	
Strong acids and oxidising agents. Bases	
10.6 Hazardous decomposition products	
Burning produces noxious and toxic fumes. Possible decomposition products are: Carbon oxides, hydrogen sulphide and Sulphur oxides	

Section 11: Toxicological information	
11.1 Information of toxicological effects	
Acute toxicity	Not classified
LD50 oral (rat)	>5000 mg/kg
Skin corrosion / irritation	Causes skin irritation. Repeated exposure may cause dryness or cracking
Serious eye damage / irritation	Causes eye irritation.
Respiratory or skin sensitisation	May cause irritation of respiratory tract. High vapour concentrations may cause headache, dizziness, tiredness, nausea & vomiting
Germ cell mutagenicity	Not classified
Carcinogenicity	Limited evidence of carcinogenic effect
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Ingestion hazard	May cause lung damage if swallowed. May cause gastrointestinal irritation, nausea, vomiting & diarrhoea
Other information	None supplied

Section 12: Ecological information	
12.1 Toxicity	
Ecotoxicity effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
LC50 / 96h / fish	54 mg/l
12.2 Persistence and degradability	
No information available	
12.3 Bio-accumulative potential	
May cause bioaccumulation	Partition coefficient - >3 (n-octanol / water)
12.4 Mobility in soil	
Slightly soluble	
12.5 Results of PBT and vPvB assessment	
No data available	
12.6 Other adverse effects	
No data available	

Section 13: Disposal considerations	
13.1 Waste treatment methods	
Residual waste / unused product	Handle with care. Recycle where possible. Dispose of at an authorised disposal facility.
Contaminated packaging	Do not burn or use a cutting torch. Do not puncture or incinerate.
Suggested EU waste codes	The following waste codes are only suggestions: 13 07 01 – fuel oil & diesel. 15 01 10 packaging containing residues of or contaminated by dangerous substances
Additional ecological information	Do not flush into surface water or sanitary sewer system

Section 14: Transport information				
14.1 Label elements (according to Regulation (EC) No. 1272/2008 [CLP])				
UN-No.	1202			
14.2 UN proper shipping name				
Proper Shipping Name (ADSR)	FUEL, AVIATION, TURBINE ENGINE			
Proper Shipping Name (IATA / IMDG)	FUEL, AVIATION, TURBINE ENGINE			
14.3 Transport hazard class(es) THC)				
	Hazard Id No.		Classification code / Class	ADR / RID Labels
ADR / RID	30	Overland transport (road / rail)	F1 - 3 Flammable	
IDMG		Transport by sea	3 Flammable liquids	
IATA		Air transport	3 Flammable liquids	
ADN		Inland waterway	3	
14.4 Packing group				
Packing group	III			
14.5 Environmental hazards				
Environmental hazards				
Marine pollutant		P		
Other information				
14.6 Special precautions for user				
No data available				
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code				
No classification according to Annex II				

Section 15: Regulatory information			
15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture			
15.1.1 EU-Regulations			
Restrictions on use	No data available		
Authorisations			
15.1.2 National regulations			
WGK	3	German storage class (LGK)	LGK3 – Flammable liquid materials (Flashpoint <55 °C)
15.2 Chemical safety assessment			
A chemical safety assessment has been carried out for this substance			

Section 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bio Concentration Factor
CLP	Classification Labelling Packaging Regulation (EC) No. 1272/2008
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Median effective concentration
eSDS	Extended Safety Data Sheet
EWC	European Waste Catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LEL	Lower Explosive (Explosion) Limit
LD50	Median Lethal Dose
LOAEL	Lowest Observed Adverse Effective Level
NeR	Nederlandse emissie Richtlijn
NOAEC	No Observed Adverse Effective Concentration
NOAEL / NOEL	No Observed Adverse Effective Level / No Observed Effect Level
NOEC	No Observed Effective Concentration
OECD	Organisation for Economic Co-operation and Development
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No. 1907/2006
PNEC	Predicted No Effect Concentration
PBT	Persistent Bio-accumulative Toxic
REACH	Registration, Evaluation, Authorisation & restriction of CHemicals
RID	Regulations concerning the International carriage of Dangerous goods by rail
SDS	Safety Data Sheet
STOT SE	Single Target Organ Toxicity – Single Exposure
STOT RE	Single Target Organ Toxicity – Repeated Exposure
STP	Sewage Treatment Plant
TRGS	Technische Regein für Gefahrstoffe
UEL	Upper Explosive (Explosion) Limit
UVCB	Substance of unknown or variable composition, complex reaction products or biological material
vPvB	Very Persistent and Very Bio-accumulative
WGK	Wassergefährdungsclassen (Water hazard class under the German federal water management act)

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