

SAFETY DATA SHEET

FAST KEROSENE (MARKED)

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name	FAST KEROSENE (MARKED)
Chemical name	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Product number	2010251
UK REACH registration number	UK-01-1552720537-9-0007
EU REACH registration number	01-2119484819-18-0001
EC number	926-141-6

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

Identified uses	<p>The following uses are addressed through the Chemical Safety Report (CSR) and Generic Exposure Scenario (GES) library: Manufacture of substance Distribution of substance Formulation & (re)packing of substances and mixtures Lubricant. (Industrial, Professional, Consumer) Uses in coatings (Industrial, Professional, Consumer) Fuel. (Industrial, Professional, Consumer) Use as a functional fluid (Industrial, Professional, Consumer) Use in cleaning agents (Industrial, Professional, Consumer) Polymer Processing (Industrial, Professional) Water treatment. (Industrial, Professional) Use in metal working fluids / Rolling oils (Industrial, Professional) Use in oil field drilling and production operations (Industrial, Professional) Laboratories (Industrial, Professional) Use of release agents or binders (Industrial, Professional) Mining chemicals (Industrial) Rubber production and processing (Industrial) Road and construction applications (Professional) Explosive manufacture & use (Professional) De-icing and anti-icing applications (Professional) Propellants (Consumer) Agrochemical uses (Consumer) Use in personal care products (Consumer)</p>
Uses advised against	Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier	<p>RYE OIL LTD HARBOUR ROAD RYE EAST SUSSEX TN31 7TE TEL: 01797 223374 OFFICE HOURS MON TO FRI (8.00AM TO 5.00PM)</p>
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Contact person INFO@RYEOIL.CO.UK

1.4. Emergency telephone number

Emergency telephone 01797 223374 (MON TO FRI 8.00AM TO 5.00PM)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Asp. Tox. 1 - H304
Environmental hazards	Not Classified

2.2. Label elements

EC number 926-141-6

Hazard pictograms



Signal word Danger

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

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	Clairsol 380 (Marked)
Chemical name	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
UK REACH registration number	UK-01-1552720537-9-0007

EC number	926-141-6
Composition comments	This product is identified under CAS No. 64742-47-8 in countries where EU and UK REACH regulations do not apply. This product contains a UK Customs Marker

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Inhalation	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	No specific symptoms known.
Ingestion	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	No specific symptoms known.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon.
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5.3. Advice for firefighters

Protective actions during firefighting	No action shall be taken without appropriate training or involving any personal risk. Avoid breathing fire gases or vapours. Use water to keep fire exposed containers cool and disperse vapours. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Contain spillage with sand, earth or other suitable non-combustible material. Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. Collect spillage with a shovel and broom, or similar and reuse, if possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid the formation of mists. Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Workplace Exposure Limits recommended and based on the RCP OEL Manual of the Hydrocarbon Producers Association (HSPA).

RCP/TWA - 1200 mg/m³

DNEL Not available.

PNEC Not available.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

This product must not be handled in a confined space without adequate ventilation.

Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn. The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Provide eyewash station. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Do not smoke in work area.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Wear a respirator fitted with the following cartridge: Organic vapour filter.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Colour	Green.
Odour	Slight.
Odour threshold	Not determined.
Melting point	-20°C (ASTM D 5950)
Initial boiling point and range	160-280°C @ 760 mm Hg
Flash point	> 62°C Pensky-Martens closed cup.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.6 Vol % Upper flammable/explosive limit: 7 Vol %
Other flammability	Not applicable.
Vapour pressure	0.04 kPa @ 20°C
Vapour density	Not determined.
Relative density	0.78 g/cm ³ @ 15°C
Bulk density	Not determined.

Solubility(ies)	Not determined.
Partition coefficient	Not determined. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Auto-ignition temperature	>200°C
Viscosity	2 cSt @ 40°C
Explosive properties	No information available.
Oxidising properties	Not available.
9.2. Other information	
Particle size	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation. Avoid contact with strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Heating may generate the following products: Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat (OECD 401)
Read-across data. Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >5000 mg/kg, Dermal, Rat (OECD 402)
Read-across data. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ >5000 mg/m³, Inhalation, Rat (OECD 403)
Read-across data. Conclusive data but not sufficient for classification.

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Animal data	Dose: 0.5 ml, 4 hours, Rabbit Oedema score: No oedema (0). (OECD 404) Read-across data. Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	(OECD 405) Not irritating. Read-across data. Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. (OECD 406) Patch test - Human: Not sensitising. Read-across data.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. (Method equivalent or similar to OECD 471) Read-across data. Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. (OECD 478) Read-across data. Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Read-across data. Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	One-generation study, Fertility - NOAEL >3000 mg/kg/day, Oral, Rat P (OECD 415) Read-across data. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity: - NOAEC: >= 300 ppm, Inhalation, Rat This substance has no evidence of toxicity to reproduction.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEL 10400 mg/m ³ , Inhalation, Rat (OECD 413) Read-across data. Based on available data the classification criteria are not met.
Target organs	No specific target organs known.
<u>Aspiration hazard</u>	
Aspiration hazard	Aspiration hazard if swallowed. Kinematic viscosity ≤ 20.5 mm ² /s.
Ingestion	Aspiration hazard if swallowed.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.

SECTION 12: Ecological information

Ecotoxicity	The product is not expected to be hazardous to the environment.
<u>12.1. Toxicity</u>	
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LL ₅₀ , 96 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout) (OECD 203)
Acute toxicity - aquatic invertebrates	LL ₅₀ , 48 hours: >1000 mg/l, Daphnia magna (OECD 202)
Acute toxicity - aquatic plants	EL50, 72 hours: >1000 mg/l, Pseudokirchneriella subcapitata (OECD 201)
Acute toxicity - microorganisms	EL50, 48 hours: >1000 mg/l, Tetrahymena pyriformis (QSAR modeled data)

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOELR, 28 days: 0.173 mg/l, Oncorhynchus mykiss (Rainbow trout)
(QSAR modeled data)

Chronic toxicity - aquatic invertebrates NOELR, 21 days: 1.22 mg/l, Daphnia magna
(QSAR modeled data)

12.2. Persistence and degradability

Phototransformation This substance does not have the potential to undergo photolysis in water and soil, and this fate process will not contribute to a measurable degradative loss of this substance from the environment.

Stability (hydrolysis) The chemical constituents that comprise this substance consist entirely of carbon and hydrogen and do not contain hydrolyzable groups. As such, they have a very low potential to hydrolyze. Therefore, this degradative process will not contribute to their removal from the environment

Biodegradation Readily biodegradable but failing the 10-day window.

12.3. Bioaccumulative potential

Partition coefficient Not determined. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

12.4. Mobility in soil

Surface tension 24-29 mN/m @ 25°C (Wilhelmy plate)

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods The generation of waste should be minimised or avoided wherever possible. External recovery, treatment, recycling and disposal of waste should comply with all applicable local and/or national regulations. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste via a licensed waste disposal contractor.

Waste class This material and container must be disposed of as a HAZARDOUS WASTE.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

No information required.

14.2. UN proper shipping name

No information required.

14.3. Transport hazard class(es)

No information required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

No information required.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not relevant.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 (2020 No. 1567)
Guidance	This product is identified under CAS No. 64742-47-8 in countries where EU and UK REACH regulations do not apply.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

No exposure scenarios are available: the hazard statement H304 (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties. The risk can therefore be controlled by implementing risk management measures tailored to this specific hazard and included within this SDS.

SECTION 16: Other information

Issued by	JON REARDON
Revision date	17.01.2023
Revision	13
Supersedes date	10/05/2021
SDS number	22117
SDS status	Approved.
Hazard statements in full	H304 May be fatal if swallowed and enters airways.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.