



SAFETY DATA SHEET

Issuing Date 18-Dec-2008

Revision Date 28-Sep-2012

Version 002

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

1.1 Product identifier

Product name	Kerosene (Premier Grade) Kerosene (Standard Grade) Clean Burn Kerosene (Standard Grade)
Chemical name	Kerosine (petroleum)
EC-No	232-366-4
CAS-No	8008-20-6

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

Recommended Use	Fuel
Uses advised against	Not to be used as a fuel for road-going vehicles

1.3 Details of the supplier of the safety data sheet

Company Information	WCF Fuels – North West Station Goods Yard Warton Road Carnforth Lancashire LN5 9EU
---------------------	--

Telephone	01524 733669
-----------	--------------

Fax	01524 720077
-----	--------------

For further information, please contact:

E-mail Address	No information available
----------------	--------------------------

1.4 Emergency telephone number

Emergency telephone	01865 407333
---------------------	---------------------

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Asp. Tox. 1; H304
Skin Irrit. 2; H315
STOT SE 3; H336
Aquatic Chronic 2; H411
Flam. Liq. 3; H226

Kerosene (Premier Grade)
Kerosene (Standard Grade)
Clean Burn Kerosene (Standard Grade)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

Xn - Harmful
N - Dangerous for the environment
Xn; R65
Xi; R38
N; R51/53
R10, R67

2.2 Label elements



Signal Word

Danger

Hazard Statements

H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements.

P102 - Keep out of reach of children
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
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 an approved waste disposal plant

2.3 Other hazards

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)
This substance is not considered to be very persistent nor very bioaccumulating (vPvB)

Kerosene (Premier Grade)
Kerosene (Standard Grade)
Clean Burn Kerosene (Standard Grade)

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical Name	EC-No	CAS-No	Classification (67/548/EEC)	Classification (EU Reg. 1272/2008)	REACH Registration Number
Kerosine (petroleum)	232-366-4	8008-20-6	Xn; R65 Xi; R38 N; R51/53 R10, R67	Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411 Flam. Liq. 3; H226	no data available

For the full text of R-phrases and H-Statements see Section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediate medical attention is required.
Skin contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Ingestion	Immediate medical attention is required. Wash out mouth with water and give 100 - 200 ml of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult and you are trained. If symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms Harmful by inhalation. May cause lung damage if swallowed. May cause cancer. Irritating to skin.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable Extinguishing Media

Foam, Dry powder, Carbon dioxide (CO₂). Large Fires: Water spray.

Extinguishing media which shall not be used for safety reasons

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours: Carbon monoxide (CO), Carbon dioxide (CO₂).

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective equipment

Kerosene (Premier Grade)
Kerosene (Standard Grade)
Clean Burn Kerosene (Standard Grade)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use only non-sparking tools. Take precautionary measures against static discharges. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with the skin and the eyes. Avoid breathing vapours or mists. Use personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

6.4 Reference to other sections

See Section 8, Waste Disposal Methods: See also section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapours or mists. Wear personal protective equipment. For personal protection see section 8.

Do not eat, drink or smoke during work. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep in a dry, cool and well-ventilated place. Store separately from incompatible materials.

7.3 Specific end use(s)

Fuel

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Kerosine (petroleum) 8008-20-6
Portugal	TWA: 200 ppm
Poland	NDSch: 300 mg/m ³ TWA: 100 mg/m ³

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded

Kerosene (Premier Grade)
Kerosene (Standard Grade)
Clean Burn Kerosene (Standard Grade)

Personal protective equipment

Eye Protection	Tightly fitting safety goggles, (EN 166)
Hand Protection	Protective gloves, (EN 374)
Skin and body protection	Protective shoes or boots
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment (BS EN 14387:2004+A1)
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure Controls	Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Odour	Characteristic
Colour	Pale yellow
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		No information available
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range	140-280 °C	
Flash Point	38 °C	
Evaporation rate		No information available
Flammability (solid, gas)		Not applicable
Flammability Limits in Air		
upper flammability limit	6.0	
lower flammability limit	0.5	
Vapour pressure		No information available
Vapour density	~4 (air = 1)	
Relative density	0.77 - 0.84	@ 15 °C
Water solubility		Immiscible
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Auto-ignition temperature	~225 °C	
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	May form explosive mixtures with air	
Oxidizing Properties	not applicable	

9.2 Other information

Softening point	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Density	0.77-0.84 g/ml
Bulk Density	No information available

Kerosene (Premier Grade)
Kerosene (Standard Grade)
Clean Burn Kerosene (Standard Grade)

SECTION 10: Stability and reactivity

10.1 Reactivity

None known

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition

10.5 Incompatible materials

Strong oxidizing agents. Acids. Alkalis.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapours:
Carbon monoxide (CO), Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Kerosine (petroleum)	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.28 mg/L (Rat) 4 h

Skin corrosion/irritation Irritating to skin

Serious eye damage/irritation May cause eye irritation

Respiratory or skin sensitisation Not Classified

Mutagenicity Not classified

Carcinogenicity Not classified

Chemical Name	European Union	IARC
Kerosine (petroleum)		Group 3

Reproductive toxicity Not classified

STOT - Single exposure May cause drowsiness or dizziness

STOT - Repeated exposure Not classified

Aspiration hazard May be fatal if swallowed and enters airways

Other information No information available

Kerosene (Premier Grade)
Kerosene (Standard Grade)
Clean Burn Kerosene (Standard Grade)

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

3

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products

Dispose of in accordance with local regulations

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal

SECTION 14: Transport information

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number	1223	1223	1223
14.2 UN proper shipping name	KEROSENE	KEROSENE	KEROSENE
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	III	III	III
14.5 Environmental Hazards	Marine pollutant	Marine pollutant	Marine pollutant
14.6 Special precautions for user		Keep away from sources of ignition	
14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code			

Kerosene (Premier Grade)
Kerosene (Standard Grade)
Clean Burn Kerosene (Standard Grade)

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Regulation (EC) No 1272/2008.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this substance

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

R10 - Flammable
R38 - Irritating to skin
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 - Harmful: may cause lung damage if swallowed
R67 - Vapours may cause drowsiness and dizziness

Full text of H-Statements referred to under sections 2 and 3

H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Issuing Date 18-Dec-2008

Revision Date 28-Sep-2012

Revision Note This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.