

## **1. PRODUCT AND COMPANY NAME**

### **PRODUCT CODE AND NAME**

29791 TEXACO BURNING OIL

### **DESCRIPTION**

Kerosene

### **COMPANY**

CHEVRON LIMITED

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London E14 4HA

U.K.

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Emergency Phone Number : 0044/(0)18 65 407 333

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## **2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Name</u>	<u>% Wt</u>	<u>CAS No.</u>	<u>EC No.</u>
Kerosine (petroleum) ; Straight run kerosine	95 - 99,99	8008-20-6	232-366-4

R 10 Flammable.

Xn R 65 Harmful: may cause lung damage if swallowed.

Xi R 38 Irritating to skin.

N R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## **3. HAZARDS IDENTIFICATION**

### **Product classification**

FLAMMABLE

HARMFUL

DANGEROUS FOR THE ENVIRONMENT

### **Acute effects of exposure to man**

#### Inhalation

Vapours or mist may cause irritation of the nose and throat, headache, nausea, vomiting, dizziness, drowsiness, euphoria, loss of coordination, and disorientation. In poorly ventilated areas or confined spaces, unconsciousness and asphyxiation may result.

#### Skin contact

Brief contact may cause slight irritation. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling.

Believed not to be a skin sensitiser.

#### Eye contact

May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye.

Ingestion

If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhoea may occur.

Aspiration may occur during swallowing or vomiting, resulting in lung damage.

**Chronic effects of exposure to man**

Medical conditions aggravated by exposure

Because of its irritating properties, repeated skin contact may aggravate an existing dermatitis (skin condition).

Other remarks

**Effects of exposure to the environment**

Some short-term toxicity to aquatic and marine organisms.

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**4. FIRST AID MEASURES**

**Route of exposure**

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may administer oxygen. Get immediate medical attention. External cardiac massage may be instituted if the heart has stopped.

Skin contact

Wash skin with plenty of soap and water for several minutes.

In extreme situations of saturation with this product, first drench with water, then remove clothing as soon as possible and wash skin with soap and water. Seek medical advice if skin becomes red, swollen or painful.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Get medical attention.

Ingestion

Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious or convulsing person.

**Other recommendations**

Aspiration of this product during induced vomiting can result in lung injury which may be fatal. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more

effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

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## **5. FIRE-FIGHTING MEASURES**

### Suitable extinguishing media

Use water fog, dry powder, foam or carbon dioxide. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water fog to disperse the vapours and to provide protection for personnel attempting to stop the leak.

### Extinguishing media which must not be used for safety reasons

Water jet

### Special exposure hazards arising from the substance or preparation itself.

#### combustion products, resulting gases

In case of fire - Always call the fire brigade. Small fires, such as those capable of being fought with a hand-held extinguisher, can normally be fought by a person who has received instruction on the hazards of flammable liquid fires. Fires that are beyond that stage should only be tackled by people who have received hands-on training.

Ensure escape path is available.

Vapours are heavier than air and may travel a considerable distance to a source of ignition and flash back. Flowing product can generate static electricity and cause a fire or explosion if a spark occurs in a flammable vapour-air atmosphere. When handling, use non-sparking tools, ground and bond all containers.

### Special protective equipment for firefighters

The nature of special protective equipment required will depend upon the size of the fire, the degree of confinement of the fire and the natural ventilation available. Fire-resistant clothing and self-contained breathing apparatus is recommended for fires in confined spaces and poorly-ventilated areas. Full fire-proof clothing is recommended for any large fires involving this product.

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## **6. ACCIDENTAL RELEASE MEASURES**

### Procedures in case of accidental release or leakage

Eliminate all ignition sources including internal combustion engines and power tools. Ventilate area. Keep people away. Stay upwind and warn of possible downwind explosion hazard. Avoid breathing vapour. Use self-contained breathing

apparatus or supplied air mask for large spills or confined areas. Avoid contact with skin, eyes or clothing. Contain spill if possible. Remove with inert absorbent. Prevent entry into sewers and waterways.

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## **7. HANDLING AND STORAGE**

### Handling

Use spark-proof tools. Material may be at elevated temperatures and/or pressures. Exercise care when opening bleeders and sampling ports.

Use explosion-proof equipment to maintain adequate ventilation to prevent accumulation of explosive air-gas mixtures and to avoid significant oxygen displacement.

This product may contain volatile hydrocarbons which may accumulate in the container headspace, thereby creating a flammable or explosive atmosphere.

Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning.

### Storage

Transport, handle and store in accordance with applicable local regulations and only in labelled containers designed for this product. Ground and bond shipping container, transfer line, and receiving container. Keep away from sparks, flame and other sources of ignition. Protect containers against static electricity, lightning and physical damage. Hot work (eg cutting or welding) must not be carried out on or near any container used for storage of this product unless it has been made safe by purging or other suitable means.

### Specific use (s)

Heating (industrial)

THIS PRODUCT IS NOT INTENDED FOR USE IN SMALL SPACE HEATERS. DO NOT USE IN AGRICULTURAL SPRAYS.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Respiratory protection

Airborne concentrations should be kept to lowest levels possible. If vapour, mist or dust is generated, use approved Filtering half mask (disposable) respirator (A1P1-filter) as appropriate. Supplied air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces.

Oxygen levels should be at least 19.5 % in confined spaces or other work areas.

Hand and skin protection

Protective clothing such as Flame retardant uniforms, coveralls or lab coats should be worn. Launder or dry-clean when soiled. North Red PVC gloves (Ref. 725), Nitrile Rubber or Viton gloves and lace up safety boots with steel toecaps resistant to chemicals and petroleum distillates required.

Eye protection

Safety glasses, chemical type goggles or full face shield recommended to prevent eye contact.

Exposure limit for the product

None established for product.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear liquid
Odour	Kerosine odour
Flash point, °C	38 min (PMCC)
Relative density	0.78 @ 15 °C
Viscosity	2.0 mm <sup>2</sup> /s max @ 40 °C
Ignition temperature, °C	190
Flammable limits % lower/upper	0,6 - 6
Boiling point/range, °C	150 - 300
Vapour density (Air = 1)	4,7

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**10. STABILITY AND REACTIVITY**

<u>Conditions to avoid</u>	Sources of ignition such as flames, sparks, hot surfaces.
<u>Materials to avoid</u>	Avoid contact with strong oxidising agents.
<u>Hazardous decomposition products</u>	Carbon monoxide, carbon dioxide, aldehydes and ketones.

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**11. TOXICOLOGICAL INFORMATION**

**Acute**

<u>Inhalation</u>	Likely to be irritating to the respiratory tract if high
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concentrations of mists or vapour are inhaled.

May cause nausea, dizziness, headaches and drowsiness if high concentrations of vapour are inhaled.

Skin contact

Irritating to the skin.

Likely to result in chemical burns following prolonged wetting of the skin (eg. after a road traffic accident).

Believed not to be a skin sensitiser.

Eye contact

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Ingestion

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea. Will injure the lungs if aspiration occurs, eg. during vomiting.

**Chronic**

Repeated or prolonged skin contact may result in significant skin irritation and dermatitis.

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**12. ECOLOGICAL INFORMATION**

Mobility

Spillages may penetrate the soil causing ground water contamination.

Persistence and degradability

Expected to be inherently biodegradable.

Potential to bioaccumulate

Evidence for moderate degree of bioaccumulation.

Aquatic toxicity

Some short-term toxicity to aquatic and marine organisms.

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**13. DISPOSAL CONSIDERATIONS**

Disposal

Dispose in a safe manner in accordance with local/national regulations.

Materials contaminated with product should be treated as flammable.

EWC-No : 13 07 03

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**14. TRANSPORT INFORMATION**

Sea transport

UN No	1223
Proper shipping name	KEROSINE
IMO, IMDG Class/Packing group	3 / III
Marine pollutant	No
EmS No	3-07

Road/rail transport

UN No	1223
Proper shipping name	KEROSINE
ADR/RID Class/Packing group	3 / III
Hazard identification No	30
CEFIC Tremcard No	30S1223
UK Emergency action code	3Y

Inland waterways

ADNR Class	3 / III
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Air transport

UN No	1223
Proper shipping name	KEROSINE
IATA/ICAO Class/Packing group	3 / III

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## **15. REGULATORY INFORMATION**

### **Classification/Labelling information**

Under the criteria of Directive EEC/67/548 (dangerous substances) and EEC/1999/45 (dangerous preparations) :

Symbol (letter notation) + Indication of danger

Xn HARMFUL

N DANGEROUS FOR THE ENVIRONMENT

Risk phrases

R 10 Flammable.

Xn R 65 Harmful: may cause lung damage if swallowed.

Xi R 38 Irritating to skin.

N R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety phrases

S 2 Keep out of the reach of children.

S 23 Do not breathe vapour.

S 24 Avoid contact with skin.

S 43 In case of fire, use CO<sub>2</sub>, dry chemical or foam. Never use water.

S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

#### Hazardous ingredients

Kerosine (petroleum) ; Straight run kerosine

#### Additional information

Refer to any national measures that may be relevant.

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### **16. OTHER INFORMATION**

#### Full text of risk phrases

Xn R 65 Harmful: may cause lung damage if swallowed.

R 10 Flammable.

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N R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Changes were made in sections :

3, 5, 7, 12, 14, 15, 16

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All information contained in this Material Safety Data Sheet and, in particular, the health and safety and environmental information is accurate to the best of our knowledge and belief as at the date of issue specified. However, the Company makes no warranty or representation, express or implied, as to the accuracy or completeness of such information.



The provision of this Material Safety Data Sheet is not intended, of itself, to obviate the need for all users to satisfy themselves that the product described is suitable for their individual purposes and that the safety precautions and environmental advice are adequate for their individual purposes and situation. Further, it is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product.

The company accepts no responsibility for any injury, loss or damage, consequent upon any failure to follow the safety and other recommendations contained in this Material Safety Data Sheet, nor from any hazards inherent in the nature of the material, nor from any abnormal use of the material.

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"Data sheet prepared by TEXACO BELGIUM N.V. \_\_\_\_\_

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