

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **KEROSENE**
 Product Code: KS1 / KS5 / KS20
 Product Use: Industrial solvent, degreaser, cleaner and fuel.
 New Zealand Supplier: **Glasscorp Limited**

 Address: **124 Bush Road
Albany
Auckland
New Zealand**

 Telephone: 09 415 6338
 Fax Number: 09 415 6339
 Email: sales@glasscorp.co.nz
 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338

 Date of MSDS Preparation: 20 June 2010

Section 2. Hazards Identification

This substance is classified as a dangerous good according to NZS5433: 2007

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

ERMA Approval Code: HSR002650

Label Pictograms



**Flammable
Liquid**



Ecotoxic

HSNO Classification	Hazard Code	Hazard Statement
3.1C	H226	Flammable liquid and vapour.
6.1E (oral)	H303	May be harmful if swallowed.
6.3B	H316	Causes mild skin irritation.
9.1B	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P101	If medical advice is needed: Have product container or label at hand
P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

Prevention Code	Prevention Statement
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P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response code Response Statement

P312 Call a POISON CENTER 0800 764 766 or doctor/physician if you feel unwell.
P331 Do NOT induce vomiting.
P391 Collect spillage.
P303 + P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P370 + P378 In case of fire: Use ... <specify appropriate media> for extinction. – This statement applies if water increases risk.

Storage Code Storage Statement

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal Code Disposal Statement

P501 Puncture empty container and recycle. In small quantities product may be absorbed into sand, vermiculite or similar and disposed of to landfill. For disposal of large quantities contact the manufacturer.

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Kerosene Description: A complex combination of hydrocarbons consisting primarily of hydrocarbons having carbon numbers predominantly in the range C ₉ to C ₁₆ , and boiling in the range of 140°C to 300°C.	100	8008-20-6

Section 4. First Aid Measures

Recommended on site emergency facilities:- Eyewash and normal washroom facilities.

Routes of Exposure:

INHALATION: Remove affected person from contaminated area and if irritation persists, seek medical advice. If not breathing apply artificial respiration and seek immediate medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before re-use.

IF SWALLOWED: Do not induce vomiting. Rinse mouth with water. Call a POISONCENTER 0800 764 766 or doctor/physician if you feel unwell.

Section 5. Fire Fighting Measures

Hazard Type	Flammable liquid.
Hazards from decomposition products	May evolve toxic gases (carbon dioxide, carbon monoxide and hydrocarbons) On combustion.
Suitable Extinguishing media	Use foam, carbon dioxide, dry chemical or water spray to extinguish fire. Use water spray to cool storage tanks, pipelines and fire-exposed surfaces.
Precautions for firefighters and special protective clothing	Fire fighters should wear full protective clothing and self-contained breathing apparatus. Flammable. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Isolate electrical equipment. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire hazard. Heating can cause expansion or decomposition leading to violent rupture of containers. Do not use water as a jet. Do not allow run off to enter drains or watercourses.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

Leak or Spillage

Use personal protective equipment (see sections 5 and 8). Evacuate unprotected personnel. Isolate sources of ignition. Isolate source of leak. Ventilate area where possible. Have a fire extinguisher readily available during clean up. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, cat litter or similar), collect and place in suitably labelled containers (flammable waste) for disposal by a registered waste disposal contractor. Use only non-sparking tools during clean up. Do not allow spills to enter drains or waterways. Contact local environmental protection officer if any material enters the drains, sewers or waterways.

Section 7. Handling and Storage

Precautions for safe handling:

General:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Avoid all personal contact, including inhalation. Wear personal protective equipment when risk of exposure is likely.

Conditions for safe storage:

Store in a well-ventilated place. Keep cool. Segregate from strong oxidisers. Store in original containers in approved flame-proof area. No smoking, naked lights, heat or ignition sources. Keep containers closed when not in use.

Approved handler requirement for HSNO 3.1C substances

Required in a situation where vapour air mixtures could ignite.

Location certificate trigger quantities

When present in quantities > **500 L** (when in containers > **5 L**) or **1500 L** (when in containers < **5 L**),

Signage Trigger Quantity

Section 8	Exposure Controls / Personal Protection
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WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS # (a)	TWA		STEL	
		ppm(b)	mg/m3(c)	ppm(b)	mg/m3(c)
Kerosene NZ ES	8008-20-6	-	-	-	-
NIOSH REL		-	100	-	-

Engineering Controls:

Use in a well ventilated area. Avoid inhalation. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable / explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

Personal Protective Equipment:

Wear splash-proof goggles and nitrile gloves. When using large quantities or where heavy contamination is likely, wear: coveralls. Where an inhalation risk exists, wear: a Type A (Organic vapour) respirator.

Section 9	Physical and Chemical Properties
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Appearance	clear, blue or colorless flammable liquid
Solubility (Water)	Immiscible, floats on water
Odour	mild
Specific Gravity	0.79
pH	Not available
% Volatiles	Not available
Vapour Pressure	> 1 (Butyl acetate = 1)
Relative Vapour Density (air=1):	4.5 approx.
Flammability	Flammable
Vapour Density	Not available
Flash Point	41°C
Boiling Point	150°C to 220°C
Upper Explosion Limit	3.5 %
Lower Explosion Limit	0.7 %
Autoignition Temperature	228°C
Melting Point	-51°C (approx)
Evaporation Rate	Very Slow

Section 10.	Stability and Reactivity
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Chemical Stability	Sable under recommended storage conditions.
Conditions to Avoid	Extremes of temperature, direct sunlight, Ignition sources e.g. heat, sparks, static discharges, flame.
Incompatibility	Avoid contact with strong oxidising agents.
Hazardous Decomposition	Oxides of carbon.

Section 11	Toxicological Information
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Health Hazards

Low to moderate toxicity - irritant. This product may potentially cause adverse health effects with over exposure. Take necessary precautions to avoid eye or skin contact and inhalation. Chronic exposure may result in Central Nervous System (CNS) damage. May cause lung damage if swallowed.

TOXICITY Oral (rat) LD50: >5000 mg/kg

IRRITATION Skin (rabbit): 500 mg SEVERE

Inhalation (rat) LC50: >5000 mg/m³/4h

Section 12. Ecotoxicological Information

HSNO Classification: 9.1B

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

Persistence / Degradability Kerosene is expected to biodegrade in both soil and water environments under both aerobic and anaerobic conditions.

Mobility Floats on water.

Environment Protection Do not allow product to enter drains, waterways or sewers.

Section 14 Transport Information

HSNO Classification 3.1C, 6.1E, 6.3B, 9.1B

ERMA Approval Code: HSR002650

Transport Pictograms:



Transport

UN No: 1223
 Class-primary: 3
 Sub-risk: None
 Packing Group: II
 Proper Shipping Name: Kerosene

Section 15 Regulatory Information

1. This substance is a class 3 – flammable liquid and its carriage is subject to the requirements of the Land Transport Rule 45001/2 2010 (as amended).
2. This substance is classified as a dangerous good according to NZS5433: 2007.
3. This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*
4. Transfer Notice: Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 *New Zealand Gazette*, 26 March 2004 – Issue No.35

Section 16 Other Information

1. Hazardous Substances Data Bank (HSDB), a database of the National Library of Medicine's TOXNET system (<http://toxnet.nlm.nih.gov>).
2. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.
3. AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.

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4. AS/NZS 1716 Respiratory Protective Devices.

Disclaimer

This document has been compiled by TCC on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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Please contact Glasscorp Limited if further information is required.

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