

SAFETY DATA SHEET

PRODUCT NAME: KEROSENE

Issue Date: May 23

IDENTIFICATION

Product Name: Kerosene
Other Names: Kerosine, paraffin oil, petroleum hydrocarbon
Product Code: CK20, ZKERO
Uses: Industrial solvent.
Supplier: HamChem Hamilton Chemicals Ltd, 75 Ruffell Rd, Hamilton
Phone: 079744971 Web: www.hamchem.nz Email: info@hamchem.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

HAZARD IDENTIFICATION



GHS Classifications

Flammable Liquid – Category 3
Aspiration Hazard – Category 1
Hazardous to the Aquatic Environment (Chronic) – Category 2

Signal Word: DANGER

Hazard Statements

H226 – Flammable liquid and vapour
H304 – May be fatal if swallowed and enters airways
H411 – Toxic to aquatic life with long-lasting effects

Prevention

P210 – Keep away from heat, hot surfaces, open flames and other ignition sources. No smoking
P233 – Keep container tightly closed
P240 – Ground and bond container and receiving equipment
P241 – Use explosion-proof electrical/lighting/ventilating equipment
P242 – Use non-sparking tools
P243 – Take action to prevent static discharges
P280 – Wear protective gloves/clothing and eye/face protection
P273 – Avoid release to the environment

Response

P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with soap and water
P370+P378 – In case of fire: Use foam, water spray/fog to extinguish
P301+P310 – IF SWALLOWED: Immediately call a POISON CENTRE or Doctor.
P331 – Do NOT induce vomiting

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HamChem Ltd, 75 Ruffell Road, Hamilton, New Zealand. Phone: 07-974-4971 Email: info@hamchem.nz Web: www.hamchem.nz

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Storage

P403+P235 – Store in a well-ventilated place. Keep cool
P405 – Store locked up

Disposal

P501 – Dispose of contents/container to an approved waste facility in accordance with local regulations

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Naphtha, petroleum, hydrodesulphurised heavy	64742-82-1	100%

Contains: Kerosine, petroleum, hydrodesulphurised [CAS 64742-81-0] and Kerosine, petroleum [CAS 8008-20-6]

FIRST AID MEASURES

If swallowed: DO NOT induce vomiting. Wash out mouth with water. Where vomiting occurs naturally have victim place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.

If on skin: Remove contaminated clothing and wash skin thoroughly with soap and water. Ensure contaminated clothing is washed before reuse or discard. If irritation develops, seek medical advice.

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

If in eyes: Wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non affected eye. If symptoms persist, seek medical attention.

Note to Physician: Treat symptomatically. Aspiration hazard. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.

SYMPTOMS AND EFFECTS, ACUTE AND DELAYED, FROM EXPOSURE

Ingestion: Harmful: may cause lung damage if swallowed. Ingestion of this product will irritate the gastric tract causing nausea and vomiting. Aspiration into the lungs may result in chemical pneumonitis.

Skin contact: May cause redness, itching and irritation.

Inhalation: May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.

Eye contact: May cause irritation. Symptoms may include redness, excessive tearing, stinging and swelling.

Long term effects: Repeated exposure may cause skin dryness and cracking. Causes fetotoxicity in animals at doses which are maternally toxic. Not expected to impair fertility. Limited evidence of a carcinogenic effect (naphthalene).

FIRE FIGHTING MEASURES

Extinguishing media: Use foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. DO NOT use water as a jet.

Flashpoint: 38°C

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Fire and explosion hazards: Liquid and vapours are flammable. Do not breathe smoke, gases or vapours generated in a fire. Expansion or decomposition of containers may lead to violent rupture of containers.

Firefighting equipment: Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire: Alert Fire Brigade (111); advise location and nature of hazard. Wear breathing apparatus and protective gloves. Shut off product that may 'fuel' a fire if safe to do so. If safe, switch off electrical equipment until vapour hazard removed. Allowed trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet. Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products: Carbon dioxide, carbon monoxide.

Hazchem code: 3Y

ACCIDENTAL RELEASE MEASURES

Minor spills: Remove or eliminate all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Wear personal protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material. Collect residues and waste material in a labeled container suitable for flammables. Seal container and dispose of safely.

Major spills: Clear area of and move upwind. Alert Fire Brigade (111); advise location and nature of hazard. Wear breathing apparatus plus protective gloves. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas. Eliminate sources of ignition, naked lights. No smoking. Increase ventilation. Water spray or fog may be used to disperse/absorb vapour. Use only spark-proof tools e.g., shovels, and explosion proof equipment, e.g., pumps. Collect recoverable product into labeled containers for recycling. Absorb remaining product with sand, earth or vermiculite. Collect solid residues and seal in labeled drums for disposal. Wash area and prevent run off into drains. If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

HANDLING & STORAGE

Precautions for safe handling: Read product label before use. This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static discharge. Use grounding leads to avoid discharge (electrical spark) spark-free tools and equipment suitable for flammables. Do not use plastic buckets. Use outdoors or in well-ventilated area. Wear personal protective equipment. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.

Conditions for safe storage: Keep out of reach of children. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials: Natural rubber, butyl rubber, EDPM, polystyrene.

EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure standards:

Workplace Exposure Standards (WES) have been set by WorkSafe NZ for the following substance:
Naphthalene [91-20-3] TWA: 0.5ppm/2.6mg/m³ STEL: 2ppm/10mg/m³

ENGINEERING CONTROLS: Ventilation: Use product outdoors or in well-ventilated area. The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

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PERSONAL PROTECTIVE EQUIPMENT:

Respiratory protection: Not expected to be required if used in well-ventilated area or outdoors.

Eye protection: Protect eyes from splashes. Use safety glasses with side shield or goggles where risk of splashing.

Skin/body protection: Gloves recommended to avoid degreasing/drying of skin.

PHYSICAL & CHEMICAL PROPERTIES

Form: Liquid
Appearance: Clear liquid
Colour: Light coloured
Odour: Hydrocarbon odour
Decomposition Temp: Not available
Melting Point: Not available
Boiling Point: 158-201°C
Specific Gravity: 0.79
Solubility in water: Negligible (0.05g/L)
Flash point: 43°C
Flammability limits: Lower: 1% v/v Upper: 6% v/v
Melting point: N/A
pH: N/A

STABILITY & REACTIVITY

Stability: Stable under normal conditions.

Hazardous decomposition products: Thermal decomposition and combustion produce noxious fumes containing oxides of carbon.

Hazardous polymerization: Will not occur.

Incompatibles: Strong oxidising agents.

Conditions to avoid: Heat, direct sunlight, open flames or other sources of ignition.

TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

Ingestion: May be harmful if swallowed and if aspirated into lungs during ingestion or vomiting. Symptoms of over-exposure include headache, nausea, dizziness and tracheal burning.

Eye contact: This product is irritating to eyes but will not permanently damage eye tissue.

Skin contact: This product is mildly irritating to skin. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation: May be irritating to nose and throat.

CHRONIC EFFECTS

No specific effects identified.

Other health effects information: No additional information.

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Toxicity data:

Rat (oral): LD50 >5000mg/kg
Rat (dermal): LD50 >5000mg/kg
Fish: LC50 ≤ 100mg/L

ECOLOGICAL INFORMATION

Ecotoxicity (Aquatic & Terrestrial): Product is identified as being ecotoxic to aquatic life with long-lasting effects. Fish (LC50): 10-100mg/L, Daphnia (EC50): 10-100mg/L, Algae (EC50): 1-10mg/L

Persistence & degradability: Not expected to be persistent.

Bioaccumulative potential: Has the potential to bioaccumulate.

Mobility: This product is volatile and will evaporate.

DISPOSAL CONSIDERATIONS

Dispose of waste according to local waste management authority. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then reused or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.

TRANSPORT INFORMATION

UN Number: 1223
Proper Shipping name: KEROSENE
Dangerous Goods Class: 3
Packing group: III
Hazchem Code: 3[Y]

REGULATORY INFORMATION

HSNO Classifications: 3.1C, 6.1E, 9.1B
EPA Approval #: HSR001049

OTHER INFORMATION

End of SDS.