

Material Safety Data Sheet

Infosafe No™ 5GEB9 Issue Date : February 2014 Status : ISSUED

Product Name **AC-99 KEROSENE**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name AC-99 KEROSENE
Company Name AUSTECH CHEMICALS PTY LTD (ABN 84 124 370 761)
Address 45 Magnesium Street Narangba
QLD 4504 Australia
Telephone/Fax Number Tel: 07 3204 8511
Fax: 07 3204 8522
Recommended Use Heating fuel, solvent, degreasing, fuel oil

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous
HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.

Risk Phrase(s) Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Classified as hazardous
R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.

Safety Phrase(s) S2 Keep out of reach of children.
S23(2) Do not breathe vapour.
S24 Avoid contact with skin.
S45 In case of accident or if you feel unwell seek medical advice immediately
S53 Avoid exposure - obtain special instructions before use.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Naptha (petroleum), hydrosulphurised heavy (contains <0.1% w/w benzene)	64742-82-1	100 %		
Substance Formal Name	Naphtha (petroleum), hyrosulfurised heavy				
CAS Number	64742-82-1				

4. FIRST AID MEASURES

Inhalation Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.

Ingestion If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Skin If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.

Eye If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment.

First Aid Facilities Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use a water jet.

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Hazards from Combustion Products	Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.
Special Protective Equipment for fire fighters	Wear full protective clothing and self contained breathing apparatus.
Hazchem Code	3Y
Unsuitable Extinguishing Media	Do not use water in a jet.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Observe all local and national regulations.
Spills & Disposal	Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.
Clean-up Methods - Small Spillages	For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow and residues to evaporate or use an appropriate absorbent material and dispose of safely.
Clean-up Methods - Large Spillages	For larger spills (>1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow residues to evaporate or use an appropriate absorbent material and dispose of safely.

7. HANDLING AND STORAGE

Handling and Storage	<p>Precautions for Safe Handling and Storage: Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure Limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.</p> <p>Dispensing: Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Remove ignition sources, avoid sparks and any other sources of heat.</p>
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	HSPA (Health Systems Performance Assessment) has set an exposure standard 350 mg/m ³ TWA (8 hr).
Engineering Controls	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.
Respiratory Protection	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter and select a filter for organic gases and vapours (boiling point >65°C). Respirators should comply with AS 1716 or an equivalent approved by a state/territory authority.
Eye Protection	Wear safety goggles.
Hand Protection	Use solvent resistant gloves. Nitrile for longer term protection or PVC and neoprene for incidental splashes.
Body Protection	Protective clothing: Use chemical resistant gloves/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	Colourless clear liquid
Odour	Aromatic
Boiling Point	Typical 145 - 300°C
Solubility in Water	Not miscible with water
Specific Gravity	(g/ml @ 15°C): 0.80
pH Value	N/A
Vapour Pressure	Typical 0.3 kPa
Vapour Density (Air=1)	4.35 @ 15°C
Volatile Component	100%
Flash Point	38°C (Abel)
Flammability	Flammable.
Auto-Ignition Temperature	Data not available
Flammable Limits - Lower	1.0%
Flammable Limits - Upper	6.0%

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compound will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of vapours or mists may cause irritation of the respiratory system.
Ingestion	Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Skin	Prolonged contact may cause defatting of skin which can lead to dermatitis.
Chronic Effects	Auditory system: prolonged and repeated exposures to high concentration have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Central nervous system: repeated exposure affects the nervous system.
Acute Toxicity - Oral	Expected to be of low toxicity: LD50 >2000 mg/kg Rat
Eye Irritation	Mild irritant
Skin Irritation	Mild irritant. Prolonged contact may cause de-fatting of skin/dermatitis.

12. ECOLOGICAL INFORMATION

Persistence / Degradability	Readily biodegradable. Oxidises by photo-chemical reactions in air.
Mobility	Floats on water.
Bioaccumulative Potential	Has the potential to bioaccumulate.
Acute Toxicity - Fish	Expected to be harmful.
Acute Toxicity - Algae	Expected to be toxic.

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Acute Toxicity - Other Organisms Aquatic Invertebrates:
Expected to be harmful.

Microorganisms:
Expected to be harmful.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Ensure waste disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION

U.N. Number 1223
Proper Shipping Name KEROSENE
DG Class 3
Hazchem Code 3Y
Packaging Method 3.8.3RT1
Packing Group III
EPG Number 3A1
IERG Number 15

15. REGULATORY INFORMATION

Regulatory Information Classified as hazardous
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:1997): 15
Poisons Schedule S5
Symbol Xn Harmful
Hazard Category Harmful
AICS (Australia) Listed

16. OTHER INFORMATION

Date of preparation or last revision of MSDS Feb 2014. First issue.

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