



Safety Data Sheet

1. Identification

Trade name of product	: Fire Lighter
Other Shipping Name	: None allocated
Supplier Address	: Ozkleen Asia-Pacific Pty Ltd 111 Lahrs Road Ormeau Queensland 4208 Australia
Supplier Contact Details	: Phone: +61 (0)7 5549 4777, www.ozkleen.com.au
Emergency telephone number	: +61 (0)7 5549 4777 (09:00-17:00). Poisons Information 131126
Material uses	: Fire starting gel
Date of issue	: 23 December 2019

2. Hazards identification

Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **HAZARDOUS** according to the criteria of Safe Work Australia.

Hazard Categories

Eye Irritant – Category 2A

Flammable Liquids - Category 2



Signal Word: DANGER

Hazard Statements:

Highly flammable liquid and vapour. Causes serious eye irritation.

Precautionary Statements:

Prevention:

Keep away from heat, sparks, open flames, hot surfaces. No smoking. Keep container tightly closed. Ground or bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Wear eye protection.

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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.

In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet to extinguish.

Storage: Store in a well-ventilated place in accordance with local regulations. Keep cool.

Disposal: Dispose of contents/container in accordance with local regulations.

General Phrases: Keep out of reach of children.

3. Composition/information on ingredients

Ingredient name	CAS number	Proportion %	TWA mg/m³	STEL mg / m³
Ethyl alcohol	64-17-5	60 - 90	1880	Not listed

Ingredients determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

4. First-aid measures

- Eye contact** : Rinse with plenty of running water. Seek medical advice if symptoms persist.
- Skin contact** : Remove contaminated clothing (Wash before re use). Then rinse with plenty of water. Seek medical advice if symptoms occur.
- Inhalation** : Remove to fresh air. Seek medical advice if symptoms occur.
- Ingestion** : Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.
- Notes to physician** : Treat symptomatically.

5. Fire-fighting measures

- Extinguishing media** : Alcohol resistant foam is the preferred firefighting medium but, if it is not available, fine water spray or water fog can be used.
- Specific Hazards arising from the chemical** : Highly flammable liquid. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Vapour may travel a considerable distance to source of ignition and flash back. May form flammable vapour mixtures with air.
- Special protective equipment and precautions for fire-fighters** : On burning will emit toxic fumes, including those of oxides of carbon . Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
- Hazchem Code** : .2YE

6. Accidental release measures

- Spills** : Shut off all sources of ignition. Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.
- Personal precautions** : Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation.
- Environmental precautions** : Contain large spills/releases using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.
- Methods for cleaning up** : Slippery when spilt. Avoid accidents, clean up immediately. Contain - prevent run off into drains and waterways. Use non-sparking tools. Use absorbent (soil, sand or other inert material). Neutralise residues with dilute acid. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

Product Name: FIRE LIGHTER

7. Handling and storage

- Handling** : Avoid skin and eye contact and breathing in vapour. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Take precautionary measures against static discharges.
- Storage** : Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

- Occupational exposure limits** : No information available on the product itself. Values for specific hazardous ingredients are shown in section 3.
- Engineering measures** : Use sensible work practices that reduce operator exposure to the product. Keep containers closed when not in use.
- Personal Protection**
- Eyes** : Safety glasses/goggles. Eye protection should conform to AS/NZS 1337 Eye protectors for industrial applications. An eyewash facility should be available.
- Hands** : Chemical resistant gloves. Refer to AS/NZS 2161.1 Occupational protective gloves – Selection use and maintenance.
- Respiratory** : If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
- Skin** : Long sleeves/trousers/chemical resistant boots. Wear appropriate clothing, including a chemical resistant apron, where clothing is likely to be contaminated

9. Physical and chemical properties

- Physical state** : Liquid/Gel
- Colour** : Colourless
- Odour** : Alcohol
- pH** : 3.0 – 4.0
- Flash point (°C)** : Ca. 12 (calc)
- Boiling point (°C)** : Unknown
- Specific Gravity (g/ml @ 25°C)** : 0.98 – 1.02
- Solubility in water** : Absolute

10. Stability and reactivity

- Reactivity** : Absorbs water from surrounding air.
- Stability** : Stable under normal storage conditions
- Possibility of Hazardous Reactions** : See incompatible materials below.
- Conditions to avoid** : Avoid exposure to heat, sources of ignition, and open flame.
- Incompatible Materials** : Incompatible with oxidising agents , acids , acid chlorides , alkali metals , ammonia , potassium tert-butoxide, peroxides.

11. Toxicological information

Potential acute health effects

No acute health effects expected if the product is handled in accordance with instructions provided by the manufacturer. Symptoms that may result if the product is mishandled or if overexposure occurs include:

- Ingestion** : Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.
- Skin** : Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
- Eye** : A severe eye irritant.
- Inhalation:** : Inhalation of fine mists may cause irritation to the respiratory tract and nasal passages.

12. Ecological information

Ecotoxicity data

- Persistence/degradability** : Expected to be biodegradable.
- Mobility in Soil** : No known significant effects.
- Other adverse effects** : Not expected to be harmful to aquatic species.

13. Disposal considerations

- Methods of disposal** : Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

14. Transport information

Regulation	UN Number	Proper shipping name	Class	Packing group	Additional information
ADG	1170	ETHYL ALCOHOL SOLUTION	3	II	Hazchem .2YE

15. Regulatory information

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General Phrases: Keep out of reach of children.

16. Other information

Literature References

: : Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code of the Transport of Dangerous Goods by Road & Rail.
Workplace exposure standards, Safe Work Australia.
Hazardous Substances/Chemicals Information System, Safe Work Australia.
Globally Harmonised System of Classification and Labelling of Chemicals.
Raw material supplier's SDS

Prepared by

: Australian Chemical Services Pty Ltd (0411 863 178)

This Safety Data Sheet is the first issue under the direction of the PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS. The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SAFETY DATA SHEET