

SAFETY DATA SHEET

KOMBO 950LF




1. SUBSTANCE IDENTIFICATION

PRODUCT NAME	KOMBO 950LF
SUPPLIER NAME	Alphakem Global Pty Ltd
ABN	86 621 159 608
SUPPLIER ADDRESS	PO Box 1354, Sunshine West, VIC 3020
SUPPLIER CONTACT DETAILS	0428 506 665 www.alphakem.com.au
EMERGENCY PHONE	
POISON INFORMATION	13 11 26 (24 hours)
CHEMICAL EMERGENCY	0428 506 665
USE	Multi-functional adjuvant product for use with glyphosate herbicides.

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to GHS criteria

GHS CLASSIFICATIONS	Acute oral toxicity Category 4 Eye irritation Category 2
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H302 Harmful if swallowed. H319 Causes serious eye irritation.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves / protective clothing / eye protection / face protection.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. +P338 P330 Rinse mouth. P337 + P313 If eye irritation persists: Get medical advice/attention. P363 Wash contaminated clothing before reuse.
STORAGE STATEMENTS	See Section 7.
DISPOSAL STATEMENTS	P501 Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/w
Ammonium sulphate	7783-20-2	70 – 90%
Citric acid	77-92-2	10 – 20%
Non-hazardous ingredients	Proprietary	BalanceUp to 100%

4. FIRST AID MEASURES

For advice call the Poison Information Centre (ph 13 11 26) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs, get medical advice/ attention.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the Poison Information Centre or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Use extinguishing media suitable for surrounding environment. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compounds
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	Not applicable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.
SPIILLS AND DISPOSAL	Generating as little dust as possible, sweep up solid spills and place in a waste container. Wash area with water and absorb with inert material such as attapulgitte, soil, etc., and place in a sealed and labelled waste container. Dispose of safely at an approved landfill. See Section 13 for details on disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING	Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene,
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7. HANDLING AND STORAGE

	including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas.
STORAGE	Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	Not established.
EYE PROTECTION	Wear eye/face protection.
RESPIRATORY PROTECTION	Respiratory protection is not required if good ventilation is maintained. Where an inhalation risk exists, wear a respirator with P1 particulate filter for solids.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.
ADDITIONAL PROTECTION	Consult the companion herbicide label for instructions on additional protection required.
ENGINEERING CONTROLS	No special ventilation is required.
HYGIENE PRECAUTIONS	Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ ODOUR	White to yellowish granulated solid.
BOILING POINT	Not Applicable.
BULK DENSITY	0.87 g/mL
DECOMPOSITION TEMPERATURE	Not Available.
FLASHPOINT	Not Applicable.
EXPLOSION PROPERTIES	Not Applicable.
SOLUBILITY	Completely soluble in water.
pH (1% solution)	2.5 – 3.5
SETTING POINT	Not Applicable.
AUTOIGNITION TEMP	Not Applicable.
VAPOUR DENSITY	Not Applicable.
VAPOUR PRESSURE	Not Applicable.
VISCOSITY	Not Applicable.
OCTANOL / WATER PARTITION COEFFICIENT	Not Applicable.

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10. STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions.
CONDITIONS TO AVOID	Containers should be kept dry.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Will not undergo polymerisation reactions. Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	Harmful if swallowed. Ammonium sulphate LD50 (mouse) 640 mg/kg
DERMAL TOXICITY	No information.
INHALATION TOXICITY	No information.
EYE CORROSION / IRRITANCY	Causes serious eye irritation.
SKIN CORROSION / IRRITANCY	No information.
CHRONIC EFFECTS	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Not classified as hazardous to the aquatic environment.
PRECAUTIONS	Whilst no significant adverse effects on aquatic organisms are expected, this product must not be intentionally applied directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application. Avoid contamination of any waterways with product or empty container.
ECOTOXICITY INFORMATION	No information.
BIOACCUMMULATIVE	No
READILY DEGRADABLE	Yes

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13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.

PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, for small amounts, collect and place in a sealable, labelled container and safely dispose of at an approved landfill. For large amounts contact your supplier or chemical recycling facility. Consult your local authority for disposal.
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PACKAGING DISPOSAL	Do NOT burn. Do not use the packaging for any other purpose. Dispose at an approved landfill.
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14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN CODE OR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

15. REGULATORY INFORMATION

APVMA REGISTRATION	87019
	See APVMA website for registration conditions www.apvma.gov.au
POISON SCHEDULE	Not Scheduled
INVENTORY	Australian Inventory of Chemical Substances.
STATUS	Components Listed

16. OTHER INFORMATION

SDS ISSUE DATE	14 March 2022
SDS REVIEW DATE	March 2027
REFERENCES	Supplier SDS. NZ Chemical Classification and Information Database. Safe Work Australia – Workplace Exposure Standards. Australian Pesticides and Veterinary Medicines Authority.
ABBREVIATIONS	

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16. OTHER INFORMATION

APVMA	Australian Pesticides and Veterinary Medicines Authority
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products properties.

End of Safety Data Sheet