

Safety Data Sheet

GHS Hazardous Chemical. Not Dangerous Goods.

Kenwet 1000 L.F.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION

Product Name: Kenwet 1000 L.F.

Other Names: Alkyl Alcohol Alkoxylate concentrate.

Product Code(s): 20L, 5L, 1L, 500mL

USE: A biodegradable wetting and spreading agent.
For use as a spray activator with knockdown and residual herbicides, growth regulators and fertilizers as nominated.

COMPANY DETAILS: Kendon Chemical & MNFG. Co. Pty Ltd
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2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Clear, almost colourless, slightly viscous liquid with no odour.
Harmful if swallowed. Irritating to eyes and skin.
Toxic to aquatic life.

Target Organs: Eyes, Skin.

Dangerous Goods Information: Not Dangerous Goods to the ADG Code, IMDG Code, nor IATA Regs.

GHS Hazardous Chemical Information:

Classified as a Hazardous Chemical to the Australian GHS Criteria and GHS Environmentally Hazardous Criteria.

Signal Word: WARNING

Classification: Acute Toxicity – Oral: Category 4
Skin Corrosion / Irritation: Category 2
Serious Eye Damage/Irritation: Category 2
Aquatic Env. - Acute Hazard: Category 2



Hazard Statements: Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
Toxic to aquatic life.

Precautionary Statements

- Prevention Wear protective gloves, eye protection / face protection.
Avoid breathing mist / spray.
Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling.

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Do not eat, drink or smoke when using this product.
Avoid release to the environment.

- Response** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Take off contaminated clothing and wash before reuse.
- Storage** -
- Disposal** Dispose of contents / container in accordance with the Local, State & Federal EPA waste regulations.

ACUTE HEALTH EFFECTS

Swallowed: Harmful if swallowed. May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach. Can cause nausea and vomiting.

Eye: Concentrated solution will cause serious eye irritation, with effects including: tearing, pain, stinging and blurred vision.

Skin: Will cause skin irritation, with effects including; redness, itchiness, and possible dermatitis.

Inhaled: Mists will cause irritation to the nose, throat and respiratory system with effects including:

Chronic: Prolonged or repeated skin contact may lead to dermatitis.

SUSMP Poison Schedule: Not Scheduled

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number	Hazard Codes
Alcohols, C9-11, Ethoxylated Propoxylated	>99% w/v	103818-93-5	H302-315-319-401
Water	<1% w/v	7732-18-5	

4. FIRST AID MEASURES

Swallowed: If swallowed, do NOT induce vomiting. Rinse the mouth with water.
Drink a glass of milk or water. Seek medical assistance immediately.

Eye: If material is splashed into eyes, immediately flush with plenty of water for 15 minutes, ensuring eye lids are held open. IF eye irritation persists transport to a hospital, medical centre or doctor.

Skin: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water (and soap if available). If skin irritation persists transport to hospital or doctor.

Inhaled: Move victim to fresh air. Apply resuscitation if victim is not breathing.
Open all doors, windows and/or vents.

First Aid Facilities: Eye wash fountain, safety shower and normal wash room facilities nearby.

Advice to Doctor: Treat symptomatically.

If needed, contact the Poisons Information Centre 13 1126.

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5. FIRE-FIGHTING MEASURES

Extinguishing Media: For LARGE Fires - use water fog, fine water spray or foam.
For small Fires - use foam, dry chemical, carbon dioxide or fine water spray.
Do NOT use water jets.

Procedures: If safe to do so, move undamaged containers from fire area. Contain any fire water run-off. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled drums for disposal. Any remaining residues may be washed down with excess water to sewer.

Protective Equipment: Fire fighters to wear self-contained breathing apparatus (SCBA) if exposed to products of decomposition. Full protective clothing is also recommended.

Flammability: Combustible Liquid C2 to AS1940 (Flash Point 169°C). Will burn under fire conditions.

Fire/Explosion Hazard: Not an immediate fire / explosion hazard until heated near its flash point. Heating can cause expansion or eventual decomposition, leading to the violent rupture of containers

Hazardous Decomposition Products: Decomposes on overheating emitting soot, smoke, decomposition products, Carbon Monoxide and Carbon Dioxide.

6. ACCIDENTAL RELEASE MEASURES

Spillage: Slippery when spilt. Avoid accidents. Ventilate the area. Keep unnecessary people away from spill area. Wear protective equipment to prevent skin and eye contact. Do not touch or walk through spilled material.

Contain using absorbent, sand or soil - prevent run off into drains and waterways.
Use absorbent (soil, sand, vermiculite or other inert material). Do NOT use sawdust.

Collect & seal in properly labelled containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid breathing in heated vapours. Do not inhale the prepared spray mist. Wash contaminated protective equipment before storage or re-use. Kenwet 1000 L.F. mixes easily and quickly with water and should be added direct to the spray tank. It should not be added direct to undiluted sprays containing wetting agents.

Storage: Store in a cool place and out of direct sunlight. Store away from sources of heat.
Store away from oxidizing agents. Keep containers closed, when not using the product.
Store in original packages as approved by manufacturer.

Classified as a Combustible Liquid C2 to AS1940 (Flash Point 169°C). As good practice, store and handle in accordance with AS1940 Storage & Handling of Flammable and Combustible Liquids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

Alkyl Alcohol Alkoxylate

No Australian Exposure Standard available

Personal Protection Equipment

Avoid skin, eye and inhalation contact.

GLOVES: PVC or Natural Rubber.

EYES: Chemical goggles, faceshield or safety glasses with side shields to protect eyes.

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RESPIRATORY PROTECTION: Avoid breathing of mists. If natural or local exhaust ventilation is not adequate, select and use an organic vapour respirator in accordance with AS/NZS 1715/1716.

CLOTHING: Wear overalls and long sleeved clothing, apron or splash suit from PVC or Rubber.

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, then the use of a local exhaust ventilation system is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, very light yellow, almost colourless, slightly viscous liquid with a mild Alcohol like odour.
Boiling Point	>100°C
Melting Point:	<0°C (Pour Point)
Vapour Pressure:	Negligible at 20°C.
Volatiles:	<1% (moisture)
Specific Gravity:	1.00 (at 20°C)
Viscosity:	60-100 mPa.s at 20°C (typical range values)
pH (1% aqueous sol'n):	6-8
Solubility:	Completely soluble in water. Soluble in simple Alcohols and Esters, Glycol Ethers, Chlorinated and Aromatic Hydrocarbons. Insoluble in Aliphatic Solvents, mineral oils, paraffin oils and kerosene.
Flash Point:	169°C (Closed Cup)
Flammability Limits:	Not available

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Conditions to Avoid: Heat and flames. Avoid exposure to light.

Excessive heat will lead to accelerated oxidative degradation of the Alcohol Ethoxylate Propoxylate.

Incompatible Materials: Strong Alkalis, Acids and Oxidizing Agents.

Hazardous Decomposition Products: Emits acrid smoke and fumes when heated to partial decomposition. Forms Carbon Dioxide and Carbon Monoxide when heated to full decomposition.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Overall Product: Irritating to eyes and skin.

No overall data available. See below for Toxicological Data on the hazardous ingredients in this product.

Alcohols, C9-11, Ethoxylated Propoxylated CAS 103818-93-5 (as 100%):

Acute Oral Toxicity LD50 (rat):	<2000 mg/kg (based on supplier's Harmful classification)
Acute Skin Toxicity LD50 (rabbit):	>2000 mg/kg
Eye Irritation (rabbit):	Causes serious eye irritation.
Skin Irritation (rabbit):	Moderate to severe skin irritation. Degreasing effect on the skin

GHS Criteria : Alcohols, C9-11, Ethoxylated Propoxylated CAS 103818-93-5 (as 100%):

ACUTE ORAL TOXICITY	:	Category 4 H302
ACUTE SKIN TOXICITY	:	Not classified.
ACUTE INHAL'N TOXICITY	:	Not classified.

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SKIN CORROSION / IRRITATION	:	Category 2 H315
SERIOUS EYE DAMAGE / EYE IRRIT'N:		Category 2 H319
SKIN SENSITISATION	:	Not classified.
RESPIRATORY SENSITISATION	:	Data lacking.
GERM CELL MUTAGENICITY	:	Not classified.
CARCINOGENICITY	:	Not classified.
REPRODUCTIVE TOXICITY	:	Not classified.
SPECIFIC TARGET ORGAN TOXICITY – Single Exposure:		
	:	Data lacking.
SPECIFIC TARGET ORGAN TOXICITY – Repeated Exposure:		
	:	Not classified.
ASPIRATION HAZARD	:	Data lacking.

[ECHA Classification Labelling & Inventory Database where 88 entries classify with H319

<https://echa.europa.eu/information-on-chemicals/cl-inventory-database>

and NICNAS IMAP https://www.nicnas.gov.au/chemical-information/imap-assessments/imap-group-assessment-report?assessment_id=424 and similar structure chemicals]

12. ECOLOGICAL INFORMATION

This substance will be toxic to aquatic life. Avoid contaminating waterways.

See below for Data on each ingredient in this product.

Alcohols, C9-11, Ethoxylated Propoxylated CAS 103818-93-5 (as 100%):

Acute Aquatic Fish Toxicity LC50 (96hrs) : 9.8 mg/L (supplier's data)

Acute Aquatic Daphnia Toxicity LC50 (Daphnia Magna, 48hrs) : 3.2 mg/L (supplier's data)

Biodegradability (Activated Sludge, 28 days):

Biodegradation: >60% (supplier's data)

GHS Criteria: Alcohols, C9-11, Ethoxylated Propoxylated CAS 103818-93-5 (as 100%):

Hazardous to the Aq. Environment (acute/short-term): Category 1 H401 (supplier's classification)

Hazardous to the Aq. Environment (long-term) : Not classified (supplier's classification)

13. DISPOSAL CONSIDERATIONS

Disposal: In accordance with the Local, State & Federal EPA waste regulations.

Advise its harmful, serious eye irritation, skin irritant, environmentally hazardous and wetting nature.

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility.

Normally suitable for incineration by an EPA approved facility.

Processing, use or contamination of this product may change the waste management options.

Empty Used Container Disposal:

The unclean container must also be handled as hazardous waste until cleaned.

- Triple rinse or preferably pressure rinse containers. Add the rinsings to the spray tank. Do NOT dispose of undiluted chemicals on-site.
- If recycling, the container, replace the cap and return clean containers to a recycler or designated collection point.
- If not recycling, break, crush or puncture and bury the clean empty containers in a local authority landfill.
- IF no local authority landfill is available, bury the clean empty containers below 0.5 metres in a disposal pit specifically set up for this purpose (clear of waterways, desirable vegetation and tree roots).

NOTE: Empty containers and product should not be burnt (except by an approved facility).

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14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); nor by air according to the IACO (IATA Regulations), nor by sea according to the IMO (IMDG Code).

UN Number:	Not Dangerous Goods	Proper Shipping Name:	Not Applicable
Dangerous Goods Class:	Not Applicable	Subsidiary risk:	Not applicable
Packing Group:	Not Applicable	Hazchem Code:	Not Applicable

Dangerous Goods - Initial Emergency Response Guide: Not Applicable
Marine Pollutant to IMDG Code: No

15. REGULATORY INFORMATION

GHS Hazardous Chemical Information:

Classified as a Hazardous Chemical to the Australian GHS Criteria and Environmentally Hazardous Criteria.

Signal Word: **WARNING**

Classification:	Acute Toxicity – Oral:	Category 4
	Skin Corrosion / Irritation:	Category 2
	Serious Eye Damage/Irritation:	Category 2
	Aquatic Env. – Acute Hazard:	Category 2



Hazard Statements: H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H401 - Toxic to aquatic life.

Precautionary Statements

- Prevention P280 - Wear protective gloves, eye protection / face protection.
P261 - Avoid breathing mist / spray.
P271 - Use only outdoors or in a well-ventilated area.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.

- Response P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P362+P364 - Take off contaminated clothing and wash before reuse.

- Storage

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- Disposal

P501 - Dispose of contents / container in accordance with the Local, State & Federal EPA waste regulations.

Scheduled Poison Not Scheduled

AICIS - Aust. Inventory of Industrial Chemicals: All ingredients are on the AIIC.

APVMA Approval No: 42568/02

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16. OTHER INFORMATION

SDS Dates and Revisions

SDS Original Preparation Dates: May 2004, Nov 2005, April 2010, May 2014, July 2017, 1 Oct 2018
SDS Latest Revision Date : 11th November 2020
Sections Changed in Latest Revision : Changes in Sections S2,S10, S11, S12, S15, S16.

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SDS APPROVED: Kendon Chemical & MNFG

Acronyms Used

ADG Code Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail
Safe Work Australia Safe Work Australia (SWA) (since April 2009) administers ASCC & NOHSC documents.
HCIS Hazardous Chemicals Information System at: <http://hcis.safeworkaustralia.gov.au/>
NZ EPA HSNO Environmental Risk Management Authority New Zealand, HSNO Chemical
CCID Classification Information Database. <https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/>
e-ChemPortal Global Portal to Information on Chemical Substances
<https://www.echemportal.org/echemportal/substance-search>
ECHA European Chemicals Agency at <http://echa.europa.eu/>
ECHA C&LID ECHA Classification & Labelling Inventory Database
<http://echa.europa.eu/information-on-chemicals/cl-inventory-database>
AICIS Australian Industrial Chemicals Introduction Scheme www.industrialchemicals.gov.au/
AICIS IMAP <https://www.industrialchemicals.gov.au/chemical-information/search-assessments?assessmentcasnumber=103818-93-5>
WHS Regs Work Health & Safety Regulations (in various States and Territories in Australia)
CAS No. Chemical Abstracts Service Registry Number
UN No. United Nations Dangerous Goods Number
SUSMP Standard for the Uniform Scheduling of Medicines and Poisons

SDS Code Used

This SDS has been prepared according to the Australian SWA Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals July 2020 (122 page pdf)
www.safeworkaustralia.gov.au/doc/model-code-practice-preparation-safety-data-sheets-hazardous-chemicals

This SDS summarises to the best of our knowledge the health and safety hazard information on the product and how to safely handle and use the product in the workplace, and should not be construed as guaranteeing specific technical properties. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Since methods and conditions are beyond our control, in inappropriate contexts we do not accept liability for any damages resulting from the use of, or reliance on, this information.

Reviewers Initials / Yr / Mth: JS2011