

Safety Data Sheet



Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Kemsol Oil Clean WB**

Recommended use: Water Based Cleaner & Degreaser

Supplier: Chemical Solutions Limited - Kemsol

Company No.:

Street Address: 1 Freight Place
Airport Oaks
Auckland 2022
New Zealand

Telephone: (64-9) 255-5609

Facsimile: (64-9) 255-5610

Email: sales@kemsol.co.nz

Emergency Telephone number: 0800-764-766 National Poisons Centre NZ or 0800 Kemsol (536 765)

2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of EPA New Zealand GHS 7.

EPA Group Standard: HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard 2020



Signal Word

Danger

Hazard Classification

Serious Eye Damage - Category 1

Hazard Statement

H318 Causes serious eye damage.

Prevention Precautionary Statements

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P280 Wear protective gloves/protective clothing including eye/face protection.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P305+P351+P338 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/doctor.

Storage Precautionary Statement

Not allocated

Disposal Precautionary Statement

Not allocated

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DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Surfactants		<10 %
Solvents		<10 %
Ingredients determined to be non-hazardous or below reporting limits		<10 %
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Product is not hazardous by inhalation during normal use. If affected, remove patient to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice. Wash contaminated clothing before re-use.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a Poison Centre or doctor if you feel unwell.

PPE for First Aiders: Wear gloves, safety glasses. Available information suggests that gloves made from nitrile rubber, neoprene, polyvinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically. Can cause corneal burns.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Fire fighting further advice: Not combustible, however following evaporation of aqueous component residual material can burn if ignited.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Product Name: Kemsol Oil Clean WB

Reference No: FK-OILCLB

Issued: 2025-03-11

Version: 007

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Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by WorkSafe New Zealand.

Biological Limit Values: As per the WorkSafe New Zealand the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Natural ventilation should be adequate under normal use conditions.

Personal Protection Equipment: GLOVES, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

When handling individual retail packs no personal protection equipment is required.

Wear gloves, safety glasses. Available information suggests that gloves made from nitrile rubber, neoprene, polyvinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Material Family: Aqueous Formulation
Base Units: Litres
Form: Clear Liquid
Colour: Blue
Odour: Slight solvent smell

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Solubility in water:	Completely soluble in all proportions
Specific Gravity:	1.02
Pour Point/Range (°C):	<0
Boiling Point/Range (°C):	100
pH:	12.6 (100% solution)
Total VOC (g/Litre):	8% w/v

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Considered stable under normal conditions.

Conditions to avoid: Avoid contamination with oxidising substances.

Incompatible materials: Oxidising substances, acids

Hazardous decomposition products: Oxides of carbon and nitrogen

Hazardous reactions: No hazardous reactions likely with normal use

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Product is not hazardous by inhalation during normal use.

Skin contact: Contact with skin will result in irritation. Will have a degreasing action on the skin causing dryness and cracking. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, and gastrointestinal irritation.

Eye contact: Causes serious eye irritation: redness, pain, and possible corneal damage.

Acute toxicity

Inhalation: This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): $LC_{50} > 20.0$ mg/L for vapours or $LC_{50} > 5.0$ mg/L for dust and mist.

Skin contact: This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): $LD_{50} > 2,000$ mg/Kg bw

Ingestion: This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): $LD_{50} > 2,000$ mg/Kg bw

Corrosion/Irritancy: Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as not an aspiration hazard.

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Specific target organ toxicity (single exposure): This material has been classified as not a specific hazard to target organs by a single exposure.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: Is not classified as an Acute Aquatic Hazard under the criteria of HSNO or GHS.

Chronic aquatic hazard: This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or $BCF < 500$ and/or $\log Kow < 4$. Is not classified as an Chronic Aquatic Hazard under the criteria of HSNO or GHS.

Ecotoxicity in the soil environment: This material has been classified as non-hazardous.

Ecotoxicity to terrestrial vertebrates: This material has been classified as non-hazardous.

Ecotoxicity to terrestrial invertebrates: This material has been classified as non-hazardous.

Ecotoxicity: Harmful to terrestrial species. Non-toxic to bees. The alkalinity of the silicates will have a local effect on ecosystems sensitive to changes in pH. Soluble silicates are wholly inorganic and once diluted have no significant effect on the aquatic environment. The Alanine, N-coco alkyl and Glutamic Acid, N, N-bis(carboxymethyl) ingredients are classified as HSNO Class 9.1D and amount to a total of 9%. As these are below the 25% lower limit defined as for HSNO 9.1D and GHS Aquatic Toxicity (acute) Category 4, it follows that the product is not classified as acutely or chronically toxic under HSNO or GHS. Acute toxicity data for the ingredients supports the classification for the product as a non Acute Aquatic Hazard. There is no chronic toxicity data available to us for most ingredients, so reliance is placed on the HSNO & GHS classifications for all ingredients which imply a low chronic toxicity for the product, hence a low, long term aquatic hazard.

Persistence and degradability: The product is readily biodegradable. The blue dye is not biodegradable. The silicates and water, are inorganic so they do not have a biodegradability requirement. The remaining ingredients are readily biodegradable.

Bioaccumulative potential: Risk of bioaccumulation in an aquatic species is low. The blue dye and silicates have no bioaccumulation potential. Bioconcentration potential is low for the propanol and glutamic acid derivatives is ($BCF < 100$ or $\log Pow < 3$). We do not have bioaccumulation data for the other ingredients, but given the high solubility of these, their bioaccumulation potential is low.

Mobility: Mobile in soil. May leach to groundwater. Potential for mobility in soil is very high for the two propanol derivatives. There was no information on the other ingredients so it should be assumed that product is generally mobile in the soil.

13. DISPOSAL CONSIDERATIONS

Discharge waste from the cleaning process to trade waste. Dispose of significant quantities of product in accordance with local regulations. Wash empty plastic container before recycling.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

NZ EPA Status: All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

EPA Group Standard: HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard 2020

16. OTHER INFORMATION

Reason for issue: Revised

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.