Klene Touch Auto Klene Solutions



Chemwatch: **5389-60** Issue Date: **19/03/2025** Version No: **2.1.1.1**

Print Date: 01/04/2025

Safety Data Sheet according to WHS and ADG requirements

S.GHS.AUS.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Klene Touch
Not Applicable
Hand Sanitizer Gel
FLAMMABLE LIQUID, N.O.S.
Not Applicable
Not Available
ubstance or mixture and uses advised against
Hand sanitiser gel. SDS are intended for use in the workplace. For domestic-use products, refer to consumer labels. Use according to manufacturer's directions.
ety data sheet
Auto Klene Solutions
1/83 Merrindale Drive Croydon VIC 3136 Australia
+61 3 8761 1900
+61 3 8761 1955
http://www.autoklene.com/msds/
Not Available
Auto Klene Solutions
131 126 (Poisons Information Centre)
0800 764 766 (New Zealand Poisons Information Centre)

SECTION 2 Hazards identification

Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

ChemWatch Hazard Ratings							
		_MinMax	- i				
Flammability	3		- 1				
Toxicity	1		- 1	0 = Minimum			
Body Contact	2		- 1	1 = Low			
Reactivity	1		- 1	2 = Moderate			
Chronic	2		į	3 = High 4 = Extreme			

Poisons Schedule	Not Applicable
Classification ^[1]	Flammable Liquid Category 2, Eye Irritation Category 2A
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements

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Hazard pictogram(s)





Signal word

Danger

Hazard statement(s)

Page	1	continued.

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	Page 1 continued
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
Precautionary statement(s) Pre-	vention
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement(s) Res	ponse
P370+P378	In case of fire: Use alcohol resistant foam or normal protein foam for extinction.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Precautionary statement(s) Sto	rage
P403+P235	Store in a well-ventilated place. Keep cool.
Precautionary statement(s) Dis	posal
P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
0505101100 111 11	

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
64-17-5	>65	ethanol
56-81-5	<5	glycerol
107-41-5	<1	hexylene glycol

SECTION 4 First aid measures

Description of	r tirst aid	measures

If this product comes in contact with the eyes:

Eye Contact

- ▶ Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- ▶ Seek medical attention without delay; if pain persists or recurs seek medical attention.
- ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact

- If skin contact occurs:

 Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- ▶ Seek medical attention in event of irritation.

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Inhalation	 ▶ If fumes or combustion products are inhaled remove from contaminated area. ▶ Lay patient down. Keep warm and rested. ▶ Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. ▶ Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. ▶ Transport to hospital, or doctor.
Ingestion	 ▶ If swallowed do NOT induce vomiting. ▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. ▶ Observe the patient carefully. ▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. ▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably

Indication of any immediate medical attention and special treatment needed

For acute or short term repeated exposures to ethanol:

- Acute ingestion in non-tolerant patients usually responds to supportive care with special attention to prevention of aspiration, replacement of fluid and correction of nutritional deficiencies (magnesium, thiamine pyridoxine, Vitamins C and K).
- ▶ Give 50% dextrose (50-100 ml) IV to obtunded patients following blood draw for glucose determination.
- ▶ Comatose patients should be treated with initial attention to airway, breathing, circulation and drugs of immediate importance (glucose, thiamine).
- Decontamination is probably unnecessary more than 1 hour after a single observed ingestion. Cathartics and charcoal may be given but are probably not effective in single ingestions.
- Fructose administration is contra-indicated due to side effects.

SECTION 5 Firefighting measures

Extinguishing media

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- Alcohol stable foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
dvice for firefighters	
Fire Fighting	 ► Alert Fire Brigade and tell them location and nature of hazard. ► May be violently or explosively reactive. ► Wear breathing apparatus plus protective gloves in the event of a fire. ► Prevent, by any means available, spillage from entering drains or water course. ► Consider evacuation (or protect in place). ► Fight fire from a safe distance, with adequate cover. ► If safe, switch off electrical equipment until vapour fire hazard removed.
Fire/Explosion Hazard	▶ Liquid and vapour are highly flammable. ▶ Severe fire hazard when exposed to heat, flame and/or oxidisers. ▶ Vapour may travel a considerable distance to source of ignition. ▶ Heating may cause expansion or decomposition leading to violent rupture of containers. ▶ On combustion, may emit toxic fumes of carbon monoxide (CO). Combustion products include: carbon dioxide (CO2) other pyrolysis products typical of burning organic material.
HAZCHEM	•3YE

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills

▶ Remove all ignition sources.▶ Clean up all spills immediately.

▶ Avoid breathing vapours and contact with skin and eyes.

▶ Control personal contact with the substance, by using protective equipment.

▶ Contain and absorb small quantities with vermiculite or other absorbent material.

Wipe up.

▶ Collect residues in a flammable waste container.

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- ▶ Clear area of personnel and move upwind.
- ▶ Alert Fire Brigade and tell them location and nature of hazard.
- ▶ May be violently or explosively reactive.
- ▶ Wear breathing apparatus plus protective gloves.
- ▶ Prevent, by any means available, spillage from entering drains or water course.
- ▶ Consider evacuation (or protect in place).
- ▶ No smoking, naked lights or ignition sources.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Major Spills

	▶ DO NOT allow clothing wet with material to stay in contact with skin ▶
	Limit all unnecessary personal contact.
	▶ Wear protective clothing when risk of exposure occurs.
	▶ Use in a well-ventilated area.
Safe handling	Avoid contact with incompatible materials.
	▶ When handling, DO NOT eat, drink or smoke.
	▶ Keep containers securely sealed when not in use.
	• Avoid physical damage to containers.
	▶ Store in original containers in approved flame-proof area.
	▶ No smoking, naked lights, heat or ignition sources.
	▶ DO NOT store in pits, depressions, basements or areas where vapours may be trapped.
Other information	▶ Keep containers securely sealed.
	▶ Store away from incompatible materials in a cool, dry well ventilated area.
	▶ Protect containers against physical damage and check regularly for leaks.
	▶ Observe manufacturer's storage and handling recommendations contained within this SDS.
ions for safe storage, incl	uding any incompatibilities
Suitable container	▶ Packing as supplied by manufacturer.
	▶ Plastic containers may only be used if approved for flammable liquid. ▶
	Check that containers are clearly labelled and free from leaks.
Storage	▶ Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates. ▶
incompatibility	Avoid strong bases.

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes	
Australia Exposure Standards	ethanol	Ethyl alcohol	1000 ppm / 1880 mg/m3	Not Available	Not Available	Not Available	
Australia Exposure Standards	glycerol	Glycerin mist	10 mg/m3	Not Available	Not Available	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.	
Australia Exposure Standards	hexylene glycol	Hexylene glycol	Not Available	Not Available	25 ppm / 121 mg/m3	Not Available	

Emergency Limits

Ingredient	Material name		1	TEEL-2	TEEL-3	
ethanol	Ethanol: (Ethyl alcohol)		ailable	Not Available	15000* ppm	
glycerol	Glycerine (mist); (Glycerol; Glycerin) 45 mg.		m3	180 mg/m3	1,100 mg/m3	
hexylene glycol	Hexylene glycol	2.3 ppm		25 ppm	150 ppm	
Ingredient	Original IDLH		Revised IDLH			
ethanol	3,300 ppm	Not Available				
glycerol	Not Available	Not Available				
hexylene glycol	Not Available	Not Available				

Exposure controls

None required when handling small quantities. OTHERWISE:

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are:

Appropriate engineering Process controls which involve changing the way a job activity or process is done to reduce the risk. controls

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure.

Personal protection







Eye and face protection

No special equipment for minor exposure i.e. when handling small quantities.

▶ Safety glasses with side shields

▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable.

Skin protection

See Hand protection below

Hands/feet protection

No special equipment needed when handling small quantities.

OTHERWISE: Wear chemical protective gloves, e.g. PVC

Body protection

See Other protection below

Other protection

No special equipment needed when handling small quantities.

OTHERWISE:

- Overalls
 - ▶ Barrier cream
 - ▶ Eyewash unit.

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the computergenerated selection:

Klene Touch

Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001

ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum	Half-Face	Full-Face	Pow	wered Air	
NITRILE	A				
BUTYL	С				
NATURAL RUBBER	С				
NATURAL+NEOPRENE	С				
NEOPRENE	С				
NITRILE+PVC	С				

D1/0	3
PVC C	0

CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation.

* Where the glove is to be used on a short term, casual or infrequent basis, factors suchas "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

SECTION 9 Physical and chemical properties

Protection Factor	Respirator	Respirator	Respirator
up to 10 x ES	A-AUS P2	-	A-PAPR-AUS / Class 1 P2
up to 50 x ES	-	A-AUS / Class 1 P2	-
up to 100 x ES	-	A-2 P2	A-PAPR-2 P2 ^

^{^ -} Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Information on basic physical and chemical properties

information on basic priyocal and shomed properties					
Appearance	Clear highly flammable liquid with mixed berry odour; mixes with water.				
Physical state	Liquid	Relative density (Water = 1)	Not Available		

Odour	Not Available	Partition coefficient n- octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	6-7	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
y	
Chemical stability	 ▶ Unstable in the presence of incompatible materials. ▶ Product is considered stable. ▶ Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhalation of high concentrations of gas/vapour causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue and inco-ordination.

Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo.

Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the Inhaled health of the individual.

There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.

Animal testing shows that the most common signs of inhalation overdose is inco-ordination and drowsiness.

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Accidental ingestion of the material may be damaging to the health of the individual. Ingestion of ethanol (ethyl alcohol, "alcohol") may produce nausea, vomiting, bleeding from the digestive tract, abdominal pain, and diarrhoea. Effects on the body concentration Mild: impaired vision, co-ordination and <1.5 g/L reaction time; emotional instability Moderate: Slurred speech, confusion, inco-ordination, emotional instability. disturbances in perception and senses, possible blackouts, and impaired objective performance in standardized Ingestion tests. Possible double vision, flushing, fast heart rate, sweating and 1.5-3.0 g/L incontinence. Slow breathing may occur rarely and fast breathing may develop in cases of metabolic acidosis, low blood sugar and low blood potassium. Central nervous system depression may progress to coma. Severe: cold clammy skin, low body temperature and low blood pressure 3-5 g/L Atrial fibrillation and heart block have been reported There is some evidence to suggest that the material may cause moderate inflammation of the skin either following direct contact or after a delay of some time. Re contact dermatitis which is characterised by redness, swelling and blistering. Open cuts, abraded or irritated skin should not be exposed to this material **Skin Contact** Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of any external damage is suitably protected. Direct contact of the eye with ethanol (alcohol) may cause an immediate stinging and burning sensation, with reflex closure of the lid, and a temporary, tearing inju redness of the conjunctiva. Discomfort may last 2 days but usually the injury heals without treatment. There is evidence that material may produce eye irritation in some persons and produce eye damage 24 hours or more after instillation. Severe inflammation may Eye Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Prolonged exposure to ethanol may cause damage to the liver and cause scarring. It may also worsen damage caused by other agents. There is some evidence from animal testing that exposure to this material may result in reduced fertility. Chronic There is some evidence from animal testing that exposure to this material may result in toxic effects to the unborn baby. Based on experience with animal studies, there is a possibility that exposure to the material may result in toxic effects to the development of the foetus, at levels w toxic effects to the mother. TOXICITY IRRITATION Klene Touch Not Available Not Available IRRITATION TOXICITY Eye (rabbit): 500 mg SEVERE Dermal (rabbit) LD50: >15800 $mg/kg^{[1]}$ Eye (rabbit):100mg/24hr-moderate Inhalation(Mouse) LC50; =39 mg/l4hrs^[2] ethanol Oral(Rat) LD50; >7692 mg/kg^[1] Eye: adverse effect observed (irritating)[1] Skin (rabbit):20 mg/24hr-moderate Skin (rabbit):400 mg (open)-mild Skin: no adverse effect observed (not irritating) $^{[1]}$ TOXICITY IRRITATION glycerol dermal (guinea pig) LD50: 58.5 mg/kg^[1] Not Available Oral(Rabbit) LD50; 0.027 mg/kg^[2] TOXICITY IRRITATION Eye (rabbit): 93mg - SEVERE Dermal (rabbit) LD50: 12.289 mg/kg^[1] Eye: no adverse effect observed (not irritating) $^{[1]}$ hexylene glycol Oral(Mammal) LD50; 2.587 mg/kg^[1] Skin (rabbit):465 mg open-mild Skin (rabbit):465mg/24hr-moderate

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		Skin: no adverse effect observed (not irritating) ^[1]	
Legend:	Value obtained from Europe ECHA Registered Substances - Acute to Toxic Effect of chemical Substances	oxicity 2.* Value obtained from manufacturer's SDS. Unless of	nerwise specified data extrac
ETHANOL	The material may cause skin irritation after prolonged or repeated expo	sure and may produce on contact skin redness, swelling, the p	roduction of vesicles, scaling
GLYCEROL	Asthma-like symptoms may continue for months or even years after ex (RADS) which can occur after exposure to high levels of highly irritating individual, with sudden onset of persistent asthma-like symptoms within	compound. Main criteria for diagnosing RADS include the abs	ence of previous airways dis
	airflow pattern on lung function tests, moderate to severe bronchial hyp RADS (or asthma) following an irritating inhalation is an infrequent disc industrial bronchitis is a disorder that occurs as a result of exposure du disorder is characterized by difficulty breathing, cough and mucus prod At very high concentrations, evidence predicts that glycerol may cause to suggest that it causes cancer, genetic, reproductive or developmentations.	rder with rates related to the concentration of and duration of e. e to high concentrations of irritating substance (often particles) uction. tremor, irritation of the skin, eyes, digestive tract and airway. O	xposure to the irritating subs and is completely reversible
HEXYLENE GLYCOL	Hexylene glycol is of low acute toxicity but may be acutely lethal at very the liver and stomach and partly reversible kidney damage. It is likely n		
Acute Toxicity		Carcinogenicity	
Skin Irritation/Corrosion		Reproductivity	
Serious Eye Damage/Irritation		STOT - Single Exposure	
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×

Legend:

- Data either not available or does not fill the criteria for classification
- Data available to make classification

Aspiration Hazard

SECTION 12 Ecological information

Mutagenicity

×

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Toxicity

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Klene Touch	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available

ethanol	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96	Fish	42-mg/L	4
	EC50	48	Crustacea	2-mg/L	4
	EC50	96	Algae or other aquatic plants	-8.358- 26.503mg/L	4
	EC10	168	Algae or other aquatic plants	1.91-mg/L	4
	NOEC	2016	Fish	0.000375-mg/L	4

	Endpoint	Test Duration (hr)	Species	Value	Source
glycerol	LC50	96	Fish	>11mg/L	2
	NOEL	48	Not Available	12ug/cm	4

hexylene glycol	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96	Fish	>100.0mg/L	4
	EC50	48	Crustacea	-2400- 3200mg/L	4
	EC50	72	Algae or other aquatic plants	>429mg/L	2
	NOEC	72	Algae or other aquatic plants	429mg/L	2

Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

For Ethanol:

log Kow: -0.31 to -0.32; Koc 1: Estimated BCF= 3; Half-life (hr) air: 144;

Half-life (hr) H2O surface water: 144; Henry's atm m3 /mol: 6.29E-06;

BOD 5 if unstated: 0.93-1.67,63% COD: 1.99-2.11,97%;

ThOD: 2.1.

Environmental Fate: Terrestrial - Ethanol quickly biodegrades in soil but may leach into ground water; most is lost by evaporation. Ethanol is expected to have very high mobility in soil. Volatilization of ethanol from moist soil surfaces is expected to be an important fate process. The potential for volatilization of ethanol from dry soil surfaces may

Biodegradation is expected to be an important fate process for ethanol based on half-lives on the order of a few days for ethanol in sandy soil/groundwater microcosms. Atmospheric Fate: Ethanol is expected to exist solely as a vapour in the ambient atmosphere. DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethanol	LOW (Half-life = 2.17 days)	LOW (Half-life = 5.08 days)
glycerol	LOW	LOW
hexylene glycol	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
ethanol	LOW (LogKOW = -0.31)
glycerol	LOW (LogKOW = -1.76)
hexylene glycol	LOW (LogKOW = 0.5802)

Mobility in soil

Ingredient	Mobility	
ethanol	HIGH (KOC = 1)	
glycerol	HIGH (KOC = 1)	

Ingredient	Bioaccumulation
•	

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hexylene glycol HIGH (KOC = 1)

SECTION 13 Disposal considerations

Waste treatment methods

- ▶ Containers may still present a chemical hazard/ danger when empty.
- ▶ Return to supplier for reuse/ recycling if possible.

Otherwise:

- ▶ If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
- ▶ Where possible retain label warnings and SDS and observe all notices pertaining to the product.
- ▶ Recycle wherever possible.
- ▶ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
- ▶ Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or Incineration in a licensed apparatus (after admixture with suitable combustible material).
- ▶ Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

SECTION 14 Transport information

Product / Packaging

disposal

Labels Required				
	3			
Marine Pollutant	NO	NO		
HAZCHEM	•3YE			
Land transport (ADG)				
UN number	1993			
UN proper shipping name	FLAMMABLE LIQUID, N.O.S.			
Transport hazard class(es)	Class 3 Subrisk Not Applicable			
Packing group	П			
Environmental hazard	Not Applicable			
Special precautions for user	Special 274 provisions Limited quantity 1 L			
Air transport (ICAO-IATA / DGR))			
UN number	1993			
UN proper shipping name	Flammable liquid, n.o.s. *			
Transport hazard class(es)	ICAO/IAT ICAO / IA Subrisk ERG Cod	ΤΑ	3 Not Applicable 3H	
Packing group	П			
Environmental hazard	Not Applica	ble		

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	Passenger and Cargo Limited Quantity Packing Instructions Passenger and Cargo Limited Maximum Qty / Pack	Y341 1 L
	Special provisions Cargo Only Packing Instructions	A3 364
Special precautions for user	Cargo Only Maximum Qty / Pack	60 L
	Passenger and Cargo Packing Instructions	353
	Passenger and Cargo Maximum Qty / Pack	5 L

Sea transport (IMDG-Code / GGVSee)

UN number	1993	
UN proper shipping name	FLAMMABLE LIQ	UID, N.O.S.
Transport hazard class(es)	IMDG Class IMDG Subrisk	3 Not Applicable
Packing group	II	
Environmental hazard	Not Applicable	
Special precautions for user	EMS Number Special provisions Limited	F-E , S-E 274
	Quantities	

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
ethanol	Not Available
glycerol	Not Available
hexylene glycol	Not Available

Transport in bulk in accordance with the ICG Code

Product name	Ship Type
ethanol	Not Available
glycerol	Not Available
hexylene glycol	Not Available

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

ethanol is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australian Inventory of Industrial Chemicals (AIIC)

glycerol is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

hexylene glycol is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes

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Chemwatch: 5389-60 Issue Date: 19/03/2025 Version No: 2.1.1.1 Print Date: 01/04/2025 Canada - DSL Canada - NDSL No (ethanol; glycerol; hexylene glycol) China - IECSC Yes Europe - EINEC / ELINCS / NLP Yes Japan - ENCS Yes Korea - KECI Yes New Zealand - NZIoC Yes Philippines - PICCS Yes USA - TSCA Yes Taiwan - TCSI Yes Mexico - INSQ Yes Vietnam - NCI Yes Russia - ARIPS Yes Yes = All CAS declared ingredients are on the inventory Legend: No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) Chemwatch: **5389-60** Page **13** of **14** Issue Date: **19/03/2020**

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SECTION 16 Other information

Revision Date	19/03/2020	
Initial Date	19/03/2020	
SDS Version Summary		
Version	Issue Date	Sections Updated
		Engineering Control, Handling Procedure, Personal Protection (other), Personal Protection (eye), Personal Protection

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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end of SDS