SAFETY DATA SHEET

According to Work Health and Safety Regulations 2011 and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals

Version 1

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1. Identification of the material and supplier

Material name:	ILD Solvent Free Citrus Hand Cleaner
Other means of identification:	Hand Wash
Recommended use:	Hand Wash
Restrictions on use:	Not available
Manufacturer:	
Supplier(Manufacturer):	Formula Chemicals (N.S.W.) Pty Ltd
Address:	82-88 Hermitage Rd West Ryde NSW 2114
Contact person(E-mail):	-
Telephone:	(02) 9807 4266
Fax:	-
Emergency number:	(02) 9807 4266
Australia Supplier(Manufacturer):	International Lubricant Distributors Pty. Ltd.
Address:	21 Logistics Bvd, Kenwick WA 6107, Australia
Contact person(E-mail):	-
Telephone:	1300 558 939
Fax:	-
Emergency number:	1300 558 939

2. Hazards identification

Australia:

Not classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

New Zealand:

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

GHS label elements:

Hazard Pictograms: :	No hazard pictogram is used.
Signal word:	No signal word is used.
Hazard statement:	Not applicable.

Precautionary statement:

Prevention:	Not applicable.
Response:	Not applicable.

Storage:	Not applicable.
Disposal:	Not applicable.
Other hazards which do not result in classification:	Not applicable.

3. Composition/information on ingredients

Components	CAS No.	Percent
Water	7732-18-5	Up to 100%
Surfactants (non-haz)		<20%
Solvents (non-haz)		<5%
Triethanolamine 99%	102-71-6	<1%
Natural D-Limonene	5989-27-5	<1%

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

4. First aid measures

Inhalation:	Keep victims calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin:	In the case of irritation occurring wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation persists, seek medical advice.
Eye:	If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists, seek medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration
Symptoms caused by exposure:	Not available.
Medical Attention and Special Treatment:	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:	Use the extinguisher appropriate to the principal fire hazard or to the source of the fire.
Extinguishing media which must not be used for safety reasons:	Not applicable
Specific hazards arising from the chemical:	If this product is involved in a fire, the water contained in it may evaporate, leaving a residue that may burn. If combustion does occur, carbon monoxide and other unidentifiable organic compounds may be produced.
Special protective equipment and precautions for fire fighters:	No special fire-fighting clothing is necessary on account of this product. However protective equipment should be worn appropriate to the principal fire hazard or the source of the fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Slippery when spilt.
Environmental precautions:	Use appropriate containment to avoid environmental contamination. Prevent from

	spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.
Methods and materials for containment and cleaning up:	Personnel involved in cleaning up spills should wear non-slip enclosed footwear, rubber or PVC gloves and chemical goggles. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable absorbent (soil or sand, inert material, vermiculite). Collect and seal in properly labelled plastic containers for disposal. Wash area down with excess water to remove any remaining residues.

7. Handling and storage

Conditions for safe storage, including any incompatibilities:	Store in plastic containers in a cool, dry, clean well-ventilated area away from foodstuffs

8. Exposure controls/personal protection

Control parameters – exposure standards, biological monitoring:	Not available
Appropriate engineering controls:	Natural ventilation is adequate under normal conditions of use. Keep containers closed when not in use.
Personal protective equipment:	
Eye/face protection:	Wear safety glasses with side shields, goggles or face shield.
Skin protection:	Wear suitable protective clothing and chemical resistant gloves which includes nitrile rubber gloves, Viton, etc.
Hand protection:	Suggested materials for protective gloves include Neoprene, Nitrile Rubber.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	
Physical state:	Viscous gel
Form:	Viscous gel
Color:	Light Yellow
Odor:	Citrus
Odour threshold:	Not available
pH:	7.5 – 8.5
Melting point/Freezing point:	Not available
Boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available

Specific Gravity:	0.95 – 1.1 (0.99 typical)
Solubility (H_2O):	Soluble in water
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic:	Not available
Specific heat value:	Not available
Particle size:	Not available
Volatile organic compounds content:	Not available
% volatile:	Not available
Saturated vapour concentration:	Not available
Release of invisible flammable vapours and gases:	Not available
Additional parameters	
Shape and aspect ratio:	Not available
Crystallinity:	Not available
Dustiness:	Not available
Surface area:	Not available
Degree of aggregation or agglomeration:	Not available
Ionisation (redox potential):	Not available
Biodurability or biopersistence:	Not available

10. Stability and reactivity

Reactivity:	Stable under recommended storage conditions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	None known
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	None.

11. Toxicological information

Skin corrosion/Irritation:	May cause skin irritation. Repeated or prolonged contact may lead to de-fatting of the skin, which can lead to the onset of dermatitis.
Serious eye damage/irritation:	Expected to be slightly irritating.
Respiratory sensitization:	Inhalation of vapours or mists may cause irritation to the respiratory system.
Skin sensitization:	Not known to be a skin sensitiser. Triethanolamine (TEA), which is present at less than 2%w/w in this product, has been reported to cause allergic contact dermatitis and eczema in workers upon repeated exposure. A review in 2009 by Lessmann H, et al. found that the risk of skin sensitisation on healthy skin by TEA seems to be very low and hence had a very low sensitisation potential in humans.
Carcinogenicity:	Not classified as a carcinogen. Repeated skin contact has resulted in irritation and skin cancer in animals
Reproductive toxicity:	None of the components of this product are considered to be reproductive toxins.
STOT- single exposure:	No data available.

STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.
Other information	This product has no known adverse effect on human health.
Information on routes of exposure	No data available.
Symptoms related to exposure	No data available.
Numerical measures of toxicity	No data available.
Immediate, delayed and chronic health effects from exposure	No data available.

12. Ecological information

Persistence and degradability: At normal use levels and following standard effluent treatment, this product is expected to exhibit low toxicity towards aquatic organisms. However, the undiluted material should be prevented from entering waterways. The anionic and non-ionic surfactants used in this product are readily biodegradable. None of the components of this product are expected to bio-accumulate.

13. Disposal considerations

Safe handling and disposal methods: Allow controlled access to the effluent system whilst diluting the product with a large excess of water. This product is a rapid emulsion breaker which enables grease and oil emulsified during use of the product to rapidly separate in a grease trap, allowing the resultant water layer to be drained to the sewer as treated trade waste.

Disposal of any contaminated packaging:

Australia:

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

New Zealand:

Product Disposal

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

Container Disposal

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the

packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

14. Transport information

Australia:

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

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

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

New Zealand:

Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.

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

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

Safety, health and environmental regulations specific for the product in question

Australia:

Not classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

New Zealand:

Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

16. Other information

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Formula Chemicals Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

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