

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE SUPPLIER

Product Name:	KiwiLustre LF
Recommended Use:	Kiwifruit stain removal and visual enhancement agent
Supplier:	Solexin Industries Limited
Telephone:	+64 6 754 6709
Address:	115 Mould Street, Waitara
Web Address:	www.solexin.net

2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to the Hazardous Substances (Classification) Notice 2020 of the HSNO Act, 1996

HSNO Number:		HSR002575	
GHS Classification		Hazard Statements	
Skin corrosion	Category 1C	H314	Causes severe skin burns and eye damage
Serious eye damage	Category 1	H318	Causes serious eye damage
Pictogram:			
SIGNAL WORD:	DANGER		
Prevention statements:	P102	Keep out of reach of children	
	P103	Read label before use	
	P260	Do not breathe mist/vapours/spray	
	P264	Wash hands and exposed skin thoroughly after handling	
	P280	Wear gloves, protective clothing and eye/face protection	
Response statements:	P101	If medical advice is needed, have product container or label at hand	
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT Induce vomiting	
	P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower	
	P363	Wash contaminated clothing before re-use	
	P304+P340	IF INHALED: Remove to fresh air and keep at rest in position comfortable for breathing	
	P310	Immediately call a POISON CENTRE or doctor/physician	
	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 CENTRE or doctor/physician	
Storage Statement	P405	Store locked up	
Disposal statement:	P501	Dispose of product and containers in accordance with local Regulations. See Section 13 for details.	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS#	Proportion %
Lactic acid*	50-21-5	30 – 60
Phosphoric Acid**	7665-38-2	10 – 30
Alcohol ethoxylate	Trade Secret	10 – 30
Neutralizing agent	Trade Secret	<10
Components deemed non hazardous		Balance

* present as lactic acid and lactate salt

**present as phosphate salt

4. FIRST AID MEASURES

GENERAL ADVICE:	If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre 0800 POISON [0800 764 766] or a doctor/physician.
INHALATION:	Remove to fresh air and keep at rest in position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician.
SKIN CONTACT:	Wash affected area under running water for at least 15 minutes. Remove all contaminated clothing and wash before reuse. If irritation occurs, seek medical advice.
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/physician.
INGESTION:	Concentrate can cause burns or irritation to mouth, throat, oesophagus and stomach. Rinse mouth. Get medical advice. Do NOT induce vomiting without medical advice.
FIRST AID FACILITIES:	Emergency showers and eyewashes to be available in the immediate vicinity of any potential exposure.
ADVICE TO DOCTOR:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Not expected to burn. Use extinguishing media appropriate for surrounding fire.
FIRE AND EXPLOSION HAZARD:	Not flammable or combustible.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:	Clear area of all unprotected personnel. Wear personal protection as described in Section 8. If contamination of sewer or waterways has occurred, advise appropriate Regional/Local Authorities.
METHODS FOR CLEAN UP:	Area may become slippery. Contain spill with absorbent material. Neutralise with sodium carbonate. Place residues in suitable and properly labelled containers that can be sealed. Wash affected areas with water, containing any runoff for appropriate disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Keep out of reach of children. Read label completely before use. Wear appropriate Personal Protective Equipment (PPE). Do not breathe vapours, mist or spray. Do not get in eyes, on skin or clothing. Keep containers closed when not in use.
SUITABLE STORAGE CONDITIONS:	Store locked up and in original containers. Ensure stored containers are tightly closed. Ensure all containers are correctly labelled and check contains do not leak.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

WORKPLACE EXPOSURE LIMITS:

<i>Ingredient</i>	<i>Form of exposure</i>	<i>WES-TWA</i>	<i>WES-STEL</i>

Workplace NZ, ed 14, November 2023: No exposure limits set.

ENGINEERING CONTROLS:	General ventilation is recommended.
PERSONAL PROTECTION:	Where risk assessment show air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (eg. type ABEK) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
RESPIRATORY:	Where risk assessment show air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (e.g. type ABEK) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
EYE:	Wear eye protection / face protection.
HAND:	Wear chemical resistant gloves, e.g. nitrile gloves.
SKIN:	Wear appropriate chemical resistant personal protective clothing to avoid skin contact when handling or mixing concentrate.
HYGIENE:	Use good work and personal hygiene practice to avoid exposure. Always wash thoroughly after handling chemicals. Do not eat, drink or smoke while handling this product. Wash contaminated clothing and equipment before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale yellow to straw coloured liquid
Odour:	Slight
Odour threshold:	No data available
pH:	2.8 – 3.0
Melting point/Freezing point:	≤ 13 °C
Initial boiling point/Boiling range:	Not available
Flashpoint:	Non-flammable
Flammability (solid/gas):	Not applicable
Upper/lower flammability/explosivity limits:	Not applicable
Relative vapour pressure [air+1]:	Not available
Vapour pressure [20C]:	Not available

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Freezing point [°C]:	<-13
Specific gravity [15°C]	1.15 – 1.30
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	Not available
Autoignition temperature [C]:	Not applicable
Decomposition temperature:	Not available
Kinematic viscosity:	Not available
Particle characteristics:	Not applicable

10. STABILITY AND REACTIVITY

STABILITY:	Store under normal conditions.
HAZARDOUS REACTIONS:	Hazardous polymerisation will not occur.
CONDITIONS TO AVOID:	Avoid extremes of temperature.
INCOMPATIBLE MATERIALS:	Avoid contact with strong alkalis or oxidisers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under fire conditions: Oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Concentrate is not classified for acute toxicity by oral, dermal contact or inhalation exposure.
SKIN CORROSION / IRRITATION:	Concentrate is corrosive and irritating to skin.
SERIOUS EYE DAMAGE / IRRITATION:	Causes serious eye damage. Corrosive to eyes.
RESPIRATORY IRRITATION:	Breathing in mist / aerosols may cause respiratory irritation.
RESPIRATORY / SKIN SENSITISATION:	No ingredients with relevant classifications.
GERM CELL MUTAGENICITY:	No ingredients with relevant classifications.
CARCINOGENICITY:	No ingredients with relevant classifications.
REPRODUCTIVE TOXICITY:	No ingredients with relevant classifications.
SPECIFIC TARGET ORGAN TOXICITY:	No ingredients with relevant classifications.
ASPIRATION HAZARD	No ingredients with relevant classifications.

TOXICOLOGICAL DATA

Ingredient	LD50-Oral, mg / kg	LD50-Dermal, mg / kg	LC50-Inhalation, mg / L (4h)
Lactic acid	3,543 (rat) 4,875 (mouse)	2,000	
Alcohol ethoxylate	>2,000 (rat)	>2,000	

12. ECOLOGICAL INFORMATION

ECO-TOXICITY: Not classified as ecotoxic. However, avoid contaminating waterways with product or container

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of waste in an approved waste treatment / disposal site in accordance with all applicable regulations.

DISPOSAL CONSIDERATIONS: Use product up according to label instructions, otherwise disposal of to an approved landfill. Triple rinse all containers and add to spray tank. Offer rinsed container for recycling or puncture and dispose container in a sanitary landfill.

14. TRANSPORT INFORMATION

This product is classified as a Dangerous Good Class 8. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2020 Transport of Dangerous Goods on Land for more information.

UN Number	1760
Proper shipping name:	CORROSIVE LIQUID, N.O.S (LACTIC ACID 50%)
UN Class:	8
Packing Group:	III
HAZCHEM:	2X
Marine Pollutant:	No

GROUP STANDARD NAME: Food Additives and Fragrance Materials (Corrosive)

HSNO APPROVAL NUMBER: HSR 002575

CONTROLS: See www.epa.govt.nz

16. OTHER INFORMATION

This Safety Data Sheet(SDS), summarises to the best of our knowledge at the date of issue, the chemical health and safety hazards and general guidance on how to safely handle KiwiLustre LF in the workplace.

Since Solexin Industries Limited cannot anticipate nor control the conditions under which KiwiLustre LF may be used, each user must, prior to use, assess and control the risks associated and potentially arising from the use of the material.

OTHER INFORMATION:

Diluted KiwiLustre LF solution (0.5%) used for Kiwifruit spraying is not classified as a hazardous substance.