

Solexin KiwiLustre LF

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **KiwiLustre LF**

Recommended Use: Kiwifruit stain removal and visual enhancement agent

Supplier: Solexin Industries Limited
Street Address: 115 Mould Street
Waitara
New Zealand

Phone: +64 (6) 754 6709
Fax: +64 (6) 754 8633
Email: info@solexin.net

2. HAZARDS IDENTIFICATION

HSNO Classification HSR 002578

Subclass 6.1D Substances that are acutely toxic.
Subclass 6.3B Substances that are a skin irritant.
Subclass 6.4A Substances that are an eye irritant.
Subclass 8.3A Substances that are corrosive to the eyes.
Subclass 9.3C Substances that are harmful to terrestrial vertebrates.

GHS Classification

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H316 Causes mild skin irritation.
H318 Causes serious eye damage.
H320 Causes eye irritation.
H332 Harmful if inhaled.
H433 Harmful to terrestrial vertebrates

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Proportion %
Lactic acid	79-33-4	40 – 50
Phosphate		10 – 20
Alcohol ethoxylate		5 – 15
Organic acid salt		2 – 6
Components deemed non hazardous		Balance

4. FIRST AID MEASURES

INHALATION: No adverse effects expected. If irritation occurs, seek medical advice.

SKIN CONTACT: Can cause skin irritation.
Wash affected area under running water for at least 15 minutes.
Remove all contaminated clothing and wash before reuse.
If irritation continues, seek medical advice.

EYE CONTACT:	Immediately flush the eye with water for at least 15 minutes. If symptoms develop, seek medical advice.
INGESTION:	Minimal toxicity. Can cause irritation to mouth, throat, oesophagus and stomach. Do not induce vomiting without medical advice. If conscious, wash mouth out and give water to drink. If symptoms develop, seek medical advice.
5. FIRST AID 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. If contamination of sewer or waterways has occurred, advise appropriate Governmental / Environmental 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. Wash affected area with water, containing any runoff for appropriate disposal.
7. HANDLING AND STORAGE	
PRECAUTIONS FOR SAFE HANDLING:	Wear appropriate Personal Protective Equipment (PPE). Do not get in eyes, on skin, or clothing. Do not take internally. Keep containers closed when not in use. Ensure all containers are correctly labelled.
SUITABLE STORAGE CONDITIONS:	Store in original containers. Ensure stored containers are tightly closed.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
WORKPLACE EXPOSURE LIMITS:	No data available.
ENGINEERING CONTROLS:	General ventilation is recommended.
PERSONAL PROTECTION	
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 nitrile gloves.
SKIN:	Wear appropriate personal protective clothing to avoid skin contact.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Pale yellow to straw
Solubility:	Fully miscible with water
Relative vapour pressure [air+1]:	Not available
Vapour pressure [20C]:	Not available
Flammability limits [%]:	Not applicable
Autoignition temperature [C]:	Not applicable
pH:	2.8 – 3.0
Freezing point [C]	<-13
Specific gravity [15.0C]	1.15 – 1.30

10. STABILITY AND REACTIVITY

STABILITY:	Stable 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

GENERAL INFORMATION:	Information on possible routes of exposure: <ul style="list-style-type: none"> • Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, and gastrointestinal irritation. • Inhalation: Breathing in mist / aerosols may cause respiratory irritation. • Eye contact: Causes serious eye damage; contamination of eyes can result in permanent injury. • Skin contact: Causes skin irritation. • Chronic effects: No information available.
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ACUTE TOXICITY

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

SKIN CORROSION / IRRITATION:	Irritating to skin.
SERIOUS EYE DAMAGE / IRRITATION:	Causes serious eye irritation. Corrosive to eyes.
RESPIRATORY / SKIN SENSITISATION:	Breathing in mist / aerosols may cause respiratory irritation.
GERM CELL MUTAGENICITY:	No data available.
CARCINOGENICITY:	No data available.
REPRODUCTIVE TOXICITY:	No data available.
ASPIRATION HAZARD:	No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

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

DISPOSAL CONSIDERATIONS: Triple rinse all containers and offer for recycling or, puncture and dispose container in a sanitary landfill.

14. TRANSPORT INFORMATION

This product is not regulated during transportation.

15. REGULATORY INFORMATION

GROUP STANDARD NAME: Food Additives and Fragrance Materials (subsidiary hazard)

HSNO APPROVAL NUMBER: HSR 002578

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 usage, assess and control the risks associated and potentially arising from the use of the material.

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

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