

PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name:

FINISH All in 1 – Lemon Sparkle



Product Format:

Tablets

Product Use:

Detergent for use in domestic automatic dishwashers

Supplier in UK:

Pakex UK Plc
1 Prime Point
Welwyn Garden City
Hertfordshire
AL7 1FE

Contact Telephone: 01707 384858

Contact Telephone: 01707 332838

Contact Email: sales@pakexuk.com

2. HAZARDS IDENTIFICATION.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) Xi - Irritant

Most important hazards

R-phrase(s) R36 - Irritating to eyes.

Contains Protease. May produce an allergic reaction.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical nature of the preparation This product contains:

Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification
Sodiumtripolyphosphate	7758-29-4	EINECS: 231-838-7	No information available	30 % - 60 %	unclassified
Sodium carbonate	497-19-8	EINECS: 207-838-8	No information available	15 % - 30 %	Xi,R36
Sodium percarbonate	15630-89-4	EINECS: 239-707-6	No information available	5 % - 10 %	O,R8 Xi,R41 Xn,R22
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	None assigned	No information available	< 0.25 %	Xi,R38 N,R50
Protease	9014-01-1	EINECS: 232-752-2	No information available	< 0.25 %	Xi,R37/38-41 Xn,R42
Alpha Amylase	9000-90-2	EINECS: 232-565-6	No information available	< 0.01 %	Xn,R42

Other ingredients may be present as being disclosed by the ingredient declaration on package.

For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST-AID MEASURES.

General advice	Immediate medical attention is required in case of contact with eyes. Show this safety data sheet to the doctor in attendance.
Skin Contact	Wash off immediately with plenty of water.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. Do not induce vomiting. Consult a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES.

Flash point:	See section 9
Suitable Extinguishing Media:	The product is not flammable. All extinguishing media can be used.
Precautions for fire-fighting	Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES.

Personal Precautions:	Use personal protective equipment. Avoid contact with the skin and the eyes.
Environmental Precautions:	Do not flush with water. Prevent product from entering drains.
Methods for Cleaning up:	Mop up spill and wash area with detergent and water. Do not flush into surface water. Prevent product from entering drains.

7. HANDLING AND STORAGE.

Handling:	Ensure adequate ventilation. Wear personal protective equipment.
Storage:	Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers Keep at temperatures below 40 °C / 104 °F.
Storage Classification	13 (=Non-combustible solids, following German VCI-concept)

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Chemical Name	Norway - OEL	UK - OES	Portugal - OEL	Spain - OEL	Sweden - OEL	Austria - OEL
Protease 9014-01-1		= 0.00012 mg/m ³ STEL 2 2093 2 Subtilisins (proteolytic enzymes) = 0.00004 mg/m ³ TWA 3 2094 3 Subtilisins (proteolytic enzymes)	Ceiling: 0.00006 mg/m ³	VLA-EC: 0.00006 mg/m ³	LLV: 1 glycineunit/m ³ LLV: 3 glycineunit/m ³	

Occupational exposure controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection: No special protective equipment required.

Eye Protection Tightly fitting safety goggles

Hand Protection: Protective gloves
Permeation level 6, Penetration level 3 following EN374, taking into consideration the exposure of chemicals given in chapter 3.

Skin and Body Protection: Usual safety precautions while handling the product will provide adequate protection.

Hygiene measures When using, do not eat, drink or smoke.

Environmental exposure controls

Do not allow material to contaminate ground water system

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical State:	Solid.
Appearance:	Tablet
Colour:	White Red Blue
Odour:	perfumed, typical to meet the Tradename descriptor
pH	10.0 ± 0.2 (10 %)
Interpretation of reserve	not irritant not corrosive
Boiling Point/Range:	No information available
Specific Gravity / Density [g/mL]:	15 - 25 g/ tabs
Flash Point:	Not applicable

10. STABILITY AND REACTIVITY.

Stability	Stable under normal conditions.
Conditions to Avoid:	Strong sunlight for prolonged periods. Avoid temperatures above 40 °C / 104 °F
Hazardous Decomposition Products:	Oxides of carbon and unknown organic compounds.
Polymerization:	No information available.

11. TOXICOLOGICAL INFORMATION.

PRODUCT TOXICITY DATA

LD ₅₀ Oral:	>2000 mg/kg (rat) estimated
LD ₅₀ Dermal:	>2000 estimated mg/kg (rat)
LC ₅₀ Inhalation (Dust):	>5 mg/m ³ (dust) estimated
LC ₅₀ Inhalation (Vapor):	> 20 ml/m ³ (vapor) estimated

ACUTE EFFECTS

Eye Irritation	Irritating to eyes.
Skin Irritation	None expected during normal conditions of use.
Inhalation	None expected during normal conditions of use.
Ingestion	Health injuries are not known or expected under normal use.
Sensitization	Not expected to be a skin sensitiser.
Chronic Effects	No information available.
Specific Effects	
Carcinogenic Effects:	Not listed as carcinogenic by OSHA, NTP or IARC.
Mutagenic Effects	No information available.
Reproductive Toxicity:	No information available.
Additional Toxicity Information:	Information given is based on data on the components and the toxicology of similar products.

COMPONENT TOXICITY DATA

Chemical Name	CAS-No	LD50 Oral - with units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Sodium tripolyphosphate	7758-29-4	3100 mg/kg (Rat)	7940 mg/kg	
Sodium carbonate	497-19-8	4090 mg/kg (Rat)		
Sodium percarbonate	15630-89-4	1034 mg/kg (Rat)		
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	> 2000 mg/kg (Rat)		
Protease	9014-01-1	3700 mg/kg (Rat)		
Alpha Amylase	9000-90-2	7500 mg/kg (Rat)		

12. ECOLOGICAL INFORMATION.

Ecotoxicity:

Ecological Information: Release of large quantities into water may cause aquatic life.
Indication of danger to water:
- Germany: WGK = 2 (for bulk material).
Not applicable for product in domestic type pack

PRODUCT TOXICITY DATA

Aquatic toxicity: No information available

COMPONENT TOXICITY DATA

Sodium tripolyphosphate

Mobility: No information available.

Sodium carbonate

Freshwater Algae EC50 = 242 mg/L 120 h
Freshwater Fish LC50 = 300 mg/L *Lepomis macrochirus* 96 h
Water Flea EC50 = 265 mg/L 48 h

Sodium percarbonate

Freshwater Algae EC50 240 h 70 mg/L
Freshwater Fish LC50 96 h *Pimephales promelas* 70.7 mg/L
Water Flea EC50 48 h 4.9 mg/L

Alcohols, C12-18, ethoxylated propoxylated

Freshwater Algae EC50 (72h): 1-10 mg/L
Freshwater Fish LC50 (96h): 10-100 mg/L
Water Flea EC50 (48h): 1-10 mg/L

Other Information

Ozone depletion potential; ODP; (R-11 = 1) No information available.

Global Warming Potential (GWP): No information available.

Additional Ecological Information: Any contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.

13. DISPOSAL CONSIDERATIONS.

Disposal Methods and Containers: Bulk quantities of product must be disposed of according to Local, State and Federal regulations.

Special Precautions for Landfill or Incineration: No information available

Contaminated Packaging: Offer rinsed packaging material to local recycling facilities.

Further information: Packaging and container to be recycled only if emptied completely!

EWC waste disposal No: 200129 - detergents containing dangerous substances

14. TRANSPORT INFORMATION.

General remarks	Not classified as dangerous in the meaning of transport regulations. For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION.

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

contains Protease. May produce an allergic reaction

Symbol(s) Xi - Irritant



R -phrase(s) R36 - Irritating to eyes

S -phrase(s) S 2 - Keep out of the reach of children
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46 - If swallowed, seek medical advice immediately and show this container or label
S35 - This material and its container must be disposed of in a safe way

16. OTHER INFORMATION.

Text of R phrases mentioned in Section 3

- R 8 - Contact with combustible material may cause fire.
- R22 - Harmful if swallowed.
- R36 - Irritating to eyes.
- R38 - Irritating to skin.
- R41 - Risk of serious damage to eyes.
- R42 - May cause sensitization by inhalation.
- R50 - Very toxic to aquatic organisms.
- R37/38 - Irritating to respiratory system and skin.

Reason for revision: 1. Change of formulation.

Additional advice: This product should only be used as directed on the label and for the purpose intended

Voluntary Labelling Consumer Information using one or more icons following the A.I.S.E. Charter for Sustainable Development may be displayed on packages additionally



This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product. All information contained herein is only to assist the recipient in fulfilling their statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive, and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product, for which they remain the sole person responsible.