

Safety Data Sheet
(According to Regulation (EC)/(GB) 1907/2006 (REACH))
Version number:1 Effective Date: 28th January 2023

Product Name: Foaming Limescale Remover & Disinfectant Revision: 01 Version: 1 Date of compilation : 5.01.2024	KILROCK PRODUCTS LTD
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SECTION 1.

Supplier details

Product 'Kilrock Foaming Limescale Remover and Disinfectant – Fresh Yuzu

1.2 **Relevant identified uses of the substance or mixture and uses advised against**

Product Use : Foam Limescale Remover and Disinfectant.

Product Activity : . 3 - 5%

1.3 **Details of the supplier of the safety data sheet**

Supplier KILROCK PRODUCTS LTD
Chesham, Bucks HP5 3 HB

Contact Telephone number : 01494 793900

Sales Kilrock.co.uk

Website www.kilrock.co.uk

1.4 Emergency

Telephone number : 01494 793900
(8.00 - 4.00pm Monday - Friday)

Physical Hazards : Not Classified on single unit. Warning Sign on each unit label.

Carton Pack : In a bundle pack of units - classified as hazardous.

Hazards : At levels of concentration: See below

Conc. <10% : Not classified for physical or health hazards under GHS.
Single unit requires:

Physical Hazard : Warning

CARTON WITH 6 UNITS : CORROSIVE

PBT and vPBT Assessment

PBT : N/A

vPBT : N/A

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---	-----------------------------

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture:
 Regulation (GB) & (EC)CLP 1272/2008 CLP

Product AS SOLD

GHS LABEL ELEMENTS

- . Acute toxicity (Oral) : Category 5
- . Acute toxicity (Inhalation) : Category 5
- . Acute toxicity (Dermal) : Category 5
- . Skin corrosion/irritation : Category 5
- . Serious eye damage/eye irritation : Category 1
- . Environmental hazards : Category 1 & Category 3

Page | 2

2.2 - Label elements

Labelling according to Regulation (GB) & (EC) 1272/2008 CLP

Hazard Pictograms:



Signal Word:
WARNING

Applies to a unit label



CORROSIVE

Carton

Hazard Statements:

Section	Hazard class and category	Hazard Statement
3	H302	Harmful if swallowed.
3	H314	Causes severe skin burns and eye damage.
3	H335: Respiratory Irrit.3	May cause respiratory irritation.
3	H410: Aquatic toxicity CAT.1	Very toxic to aquatic life with long lasting effects
3	H411: CAT.3	Hazardous to the aquatic environment long-term hazard

Precautionary statements:

. PREVENTION

P234	Keep only in original container.
P260	Do not breathe dust/fume/gas/mist/vapours/spray/ spray-mousse.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

. RESPONSE

P264	Wash hands thoroughly after handling.
P303+P361+P353	IF ON SKIN (or HAIR): take off immediately all contaminated clothing. Rinse skin with water / shower.
PP305+P351+P353	IF ON EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Call a POISON CENTRE/Doctor.

.RESPONSE

P403+P233	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.STORAGE

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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.DISPOSAL

P501	Dispose of contents/containers in accordance with local/regional/ national/International regulations.
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. Hazardous ingredient for labelling: Phosphoric acid

2.3 Other hazards : Of no significance.

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--	-----------------------------

- Swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. This is not expected to occur with this product when used according to its direction of use. Consult a physician, if required.

- Skin contact** If on skin, wash off with plenty of water. If irritation occurs: Consult a physician/attention. Take off contaminated clothing and wash before reuse. SPECIAL TREATMENT: Wash off with plenty of water.

- Eye contact** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, consult a physician/ get medical advice/attention.

4.1.2 Advice Provided as to whether:

- . Ingestion** Irritation may occur. Obtain immediate medical attention. This is not expected to occur with this product, when used according to its direction of use.

- . Skin contact** May cause skin sensitisation. Remove and handling of clothing and shoes from the concerned individual. Wash skin with plenty of water.

- . Eye contact** May cause Irritation. Wash eyes with plenty of water for several minutes. Remove contact lenses, if present and easy to do. If irritation occurs, consult a physician/ get medical advice/attention.

- . Inhalation** May cause respiratory irritation. Move the exposed person from the area to fresh air environment. This is not expected to occur with this product when used according to its direction of use.

4.2 - Most important symptoms and effects, both acute and delayed

Dilution of Phosphoric acid used at 1- 5% may cause below adverse effect:

- . Skin Irritation2**
- . Eye Irritation 2**

- . After Inhalation** Seek medical attention immediately. Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position.

- . After Skin contact** Remove contaminated clothing and wash before use or discard. Rinse skin with for 30 minutes with deluge of water or under shower. Seek immediate medical attention. Wash affected area with soap and water.

- . After Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention immediately. Protect unexposed eye.

- . After swallowing** Seek medical advice immediately. Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water.

4.3 - Indication of any immediate medical attention and special treatment needed

Notes for the doctor See Section 4.1
Specific treatments N/A

SECTION 5: Firefighting measures

5.1 - Extinguishing media : Use water spray, alcohol-resistant foam; dry chemical or carbon dioxide.

Unsuitable extinguishing media: Wear protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots, and gloves).

5.2 - Special hazards arising from the substance or mixture

Specific hazards : Formed under fire conditions: non-combustible on single units.
Carton package(s) may be considered as flammable. Individual unit is NOT Flammable.

Hazardous Combustion Product : Formed under fire conditions: non-combustible on single units.
Carton product packs can be hazardous during firefighting conditions.

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--	-----------------------------

5.3 - Advice for firefighters

Protective actions during : Wear self-contained breathing apparatus (SCBA) for firefighting, especially during transportation of the product.

Special protective equipment : In case of transportation and bulk consideration during storage wear Self-contained breathing apparatus (SCBA) for firefighting, which may occur.

Page | 5

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment, and emergency procedures

Avoid spills. Wear protective clothing, rubber gloves and goggles. Wash off minimal disposal with plenty of water or dispose of copious quantities of product according to disposal procedures including the contaminated clothing according to Section 13.

6.2 - Environmental precautions

Contain spills. Prevent discharge into environment to avoid any impact with drains, surface, and ground water.

6.3.0 - Methods and material for containment and cleaning up.

6.3.1 Rinse remains with plenty of water.

6.3.2 Collect large amount absorbing using absorbent materials to dispose safely.

6.3.3 Clean up small amount left with rinsing with plenty of water, while diluting spill drain into the sewage.

6.3.4 - For Emergency responders

Use suitable gloves and personal protective clothing to remove /collect the spillage.

6.3.5 Follow as explained in Section 6.1 & 6.2

6.3.6 - Reference to other sections

Detail explained in Sections 8 & 13.

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Handling

- . Reduce the release of the substance or mixture to the environment, such as avoiding spills or keeping away from drains.
- . Instruction for fire-and explosion protection: No special actions necessary on a unit. Carton pack as explained in section 13.

7.2 - Conditions for safe storage, including any incompatibilities

Store in a cool place, avoid direct sunlight.

7.3 - Specific end use(s) : N/A

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

. National Limit Values

7664-38-2 Phosphoric acid, ACGIH TLV : 1mg/m3 as TWA

7664-38-2 Phosphoric acid, ACGIH TLV : 3mg/m3 as STEL

7664-38-2 Phosphoric acid, OSHA TWA : 1mg/m3 as TWA

7664-38-2 Phosphoric acid, NIOSH REL : 1 mg/m3 as TWA

7664-38-2 Phosphoric acid, NIOSH REL ST : 3mg/m3

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---	-----------------------------

Occupational exposure limit values (Workplace Exposure Limits)

State UK	CAS No.	Limit values that require monitoring at the workplace
WEL (UK)		Short-term value:1920mg/m ³ ; 1000ppm
Ethanol	64-17-5	Non-Toxic.
WEL (UK)		Long-term value:999mg/m ³ ; 400ppm

Page | 6

Regulatory information WEL (UK): EH40

State	CAS No.: 64-17-5	Name: Ethanol
	EC50 Daphnia magna (Water flea)	(mg/l – 48hr: No data available.

Additional information: The lists during the making was used as basis. Ethanol would evaporate very quickly once it is in the atmosphere at a minimal level and in water.

Long-term exposure limit (8-hour TWA) : Finished product - N/A

Short-term exposure limit (15-minute) : Finished product - N/A

WEL = Workplace Exposure Limit : Finished product - N/A

8.2 - Exposure controls

General information: This product sold in 500ML HDPE bottle with a Foam Spray actuator. Its ingredients are not in contact with the user. The user expected to follow its directions of use stated on the label for safety of user, environment, and its surroundings.

- (i) **Eye Protection** : Avoid spray mist towards or into the eyes.
- (ii) **Skin Protection** : Avoid a prolonged finished product contact with skin. On contact for prolonged period may leave skin dry and irritable.
- (iii) **Other** : Can cause skin sensitisation due to allergens present in the fragrance. Product contains perfume; mixture on stated amounts of allergens that are not in contact with user.
- (iv) **Respiratory Protection** : N/A
- (v) **Thermal Hazards** : Thermal conditions would lead to the loss of its main constituents like fragrance due to evaporation.
- (vi) **Environmental Hazards** : Dispose unused and used containers according to the Local Authorities.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Appearance @20°C : Liquid - Supplied as a foam product.
 Colour @20°C : Clear, Colourless
 Odour @20°C : Characteristic
 pH @20°C : 2 - 4
 Flash point @20°C : No data available
 Relative density @20°C : 0.98 -1.00
 Solubility @20°C : Soluble in water

9.2 - Other information

No other information available.

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SECTION 10: Stability and reactivity

10.1 – Reactivity

No data available.

10.2 - Chemical stability

Stable under normal conditions.

10.3 - Possibility of hazardous reactions

No data available.

10.4 - Conditions to avoid

Avoid sunlight and heat.

10.5 - Incompatible materials

Store in cool place away from sunlight and heat.

10.6 - Hazardous decomposition products

No data available/unit.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Product Safety Report: According to Section(s) 2 and 11 finished product formulation based on the percentage ingredients evaluated for their toxicology based on Regulation (EC)1272/2008 CLP for its Acute Toxicity Estimate Limits (Σ ATEmix mg/kg). The evaluation concludes its acute toxicity estimate is >5000mg/kg of the finished product, considered Globally safe.

Acute Toxicity: Not classified. ATE mix >5000mg/kg classified as globally safe. Evaluation assessed by a Qualified Assessor.

Hazardous Ingredients: FINISHED PRODUCT unit at concentrations used.

Chemical	CAS No.	LD50 (Oral)	LD50 Dermal	LD50 (Inhalation)
Di decyl Dimethyl Ammonium Chloride	7173-51-5	(Rat) LD50 :795 mg/kg ATE: 26,499.967736289 mg/kg	(Rat) LD50 :3,412 mg/kg ATE: 113,733.3342280 mg/kg	(Rat) LC50 : No OECD data available. ATE: No data available
Phosphoric Acid	7664-38-2	(Rat) LD50 : 1530mg/kg ATE: 30,599.99958996mg/kg	LD50 2740mg/kg ATE:54,800. 000548 mg/kg	LC50 >850mg/m3 (1hr) ATE:17,000.000119 mg/kg

Toxicological effects Information applicable to the finished unit product as supplied.

(a) Acute toxicity	: Not Classified
(b) Skin corrosion/irritation	: Not classified
(c) Serious eye damage/irritation	: May cause serious eye irritation.
(d) Respiratory	: Not classified
(e) Skin sensitization	: May cause an allergic skin reaction.
(e) Germ cell mutagenicity	: Not Classified.
(f) Carcinogenicity	: Not Classified.
(g) Reproductive toxicity	: Not Classified.

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--	-----------------------------

Page | 8

(h) STOT-single exposure	: Not Classified.
(i) STOT-repeated exposure	: Not Classified.
(j) Aspiration hazard	: Not Classified.
Other information	: Not Classified
No applicable toxicity data. No known significant effects or critical hazards.	
Additional information:	
Inhalation	: May cause Nausea, allergenic reaction, on excess exposure
Ingestion	: May cause nausea, headache, dizziness, and intoxication.
Skin contact	: May cause Skin Irritation, allergenic reaction, on excessive exposure.
Eye contact	: Irritating to eyes. Symptoms following over exposures may include the following: irritation.

SECTION 12: Ecological information

12.1 - Toxicity

12.2 - Persistence and degradability

The ingredient(s), Phosphoric acid is a weak acid. It partially ionises during dissociation. Minimal quantities (<10%) Phosphoric acid can be neutralised by alkalinity in aquatic ecosystems. Larger than 10% Phosphoric acid can lower, the pH for extended periods of time, posing a potential risk to aquatic organisms.

12.3 - Bio accumulative potential

Avoid disposing bulk product in water/rivers/surface/Soil/ Ground water.

12.4 - Mobility in soil

Product expected to degrade 90% in soil in very dilute solution. Product does not accumulate.

12.5 - Results of PBT and vPvB assessment

PBT: N/A; vPBT: N/A

12.6 - Endocrine disrupting properties

Not applicable

12.7 - Other adverse effects

Based on its use as directed no further hazards are anticipated.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

General Information : Landfill and Water Treatment Systems and to a Local Licenced Disposal Company.

Contaminated Packaging: Packaging which contains leftovers from the product *must be disposed-off* in the same way as the product.

Option: 15 01 02 Plastic Packaging,

Large Spillages : Absorb using sand or an absorbent material, cat litter or similar in a container. Wash area with hot, soapy water. Finish unused and used, as high degree of bulk, containing alcohol, Benzalkonium Chloride, and perfume to be disposed-off through a Licenced Disposal Company.

Do not sewage dispose-off in copious quantities. Only clean-up with lot of water to dispose-off through sewage during cleaning procedures, when possible.

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---	----------------------

SECTION 14: Transport information (CARTON PACKAGING)

14.1 - UN number

ADR : UN-1805
RID : UN-1805
ADN : UN-1805
ICAO/IATA : UN-1805
IMO/IMDG : UN-1805

Page | 9

14.2 - UN proper shipping name

ADR : Phosphoric acid Solution
RID : Phosphoric acid Solution
ADN : Phosphoric acid Solution
ICAO/IATA : Phosphoric acid Solution
IMO/IMDG : Phosphoric acid Solution

14.3 - Transport hazard class(es)

ADR : 8 Corrosive substance
RID : 8
ADN : 8
ICAO/IATA : 8
IMO/IMDG : 8



Transport Label

14.4 - Packing group

: III
ADR : III
RID : III
ADN : III
ICAO/IATA : III
IMO/IMDG : III

14.5 - Environmental hazards : Not listed as a Marine Pollutant.

14.6 - Special precautions for : N/A
User

14.7 - Transport in bulk according : N/A
to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

.This safety data sheet complies with the requirements of Regulations (EC) No. 1907/2006 REACH, updated with Regulations 1272/2008, CLP dated 2021/2022.

15.2 - Chemical Safety Assessment

Chemical safety assessment: 'Kilrock Foaming Limescale Remover and Disinfectant Spray - FRESH YUZU' a chemical safety assessment has been conducted. The assessment is based on its use by the consumer based on its direction of use. The assessment confirms the product is safe when used as per directed on its label.

The toxicity assessment of the finished product has its acute toxicity beyond Category 5, considered as safe.

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---	-----------------------------

SECTION 16: Other information

Hazard Statements

Section	Hazard Class and Category	Hazard Statement
3	H318: CAT. 3	May cause Skin Irritant
3	H319: Irritant to eyes	May cause eye irritant.

Page | 10

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Revision date: 09th January 2024