

Kilrock Products Ltd

(In accordance to Regulation (EC) No. 1272/2008 CLP; (EC) 1907/2006. Annex 11, as amended)

Revision : 01

Revision Date: 27. 05.20

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1. Product identifier

Trade Name : KILROCKPRO HAND SANITISING GEL

Product Number : PROVIRALHAND400

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

Identified uses : PT1 Human Hygiene Biocidal Product for EXTERNAL USE ONLY
A general purpose hand gel preparation for sanitising the hands.

Uses advised against : uses other than those are not are not recommended

2. Details of the supplier of the safety data sheet

KILROCK PRODUCTS LTD
Unit 1b, Alma Rd Ind Est
Chesham
Bucks - HP5 3HB

Telephone number: 01494 793900
Fax: 01494 793400
Contact Person info@kilrock.co.uk

3. Emergency telephone number

Emergency telephone number: 01494 793900

NOTE: This number is only available during the following office hours: **0800 to 1700 Monday to Friday UK TIME**

SECTION 2: Hazards identification

1. Classification of the substance or mixture

1.1. Classification of the substance or mixture

Classification
Physical hazards Exclamatory

Health hazards Eye Irrit. 2 - H319

Environmental hazards Dangerous to Environment

1.2. Classification according to Regulation (EC) 1272/ 2008 CLP; Directive 1999/45/EC or 67/548/EEC.

Human health Irritating to eyes.

Environmental The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC.

Physicochemical The product is **NOT** flammable. Heating *may* generate flammable vapours.

1.3. Additional information



For full text of R-phrases and Hazard- and EU Hazard- statements: See SECTION 16

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2. Label elements

2.1. Labelling according to Regulation (EC) No 1272/2008 (CLP)

Pictograms			
Signal Word	WARNING	Dangerous for the Environment	
Hazard Statements			
	H319	Causes serious eye irritation.	
	H400	Acute Aquatic Toxicity.	
Precautionary Statements	P264	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. NO SMOKING.	
	P280	Wear protective gloves / Protective clothing/Eye protection /Face protection	
	P305 +P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	P337+P313	If eye irritation persists: Get medical advice/attention.	
	P403+P235	Store in a well-ventilated place.	
	P233+P235+P410	Keep container tightly closed. Keep Cool. Protect from Sunlight.	
Supplementary precautionary statements	P102	Keep out of the reach of children	

3. Other hazards

This mixture does not contain any substances that are assessed to be PBT or vPvB.

4. Hazards Symbols:

- (i) 100ml units will require only Warning Symbol required.
- (ii) 500ml units will require Warning & Environment Symbols.
- (iii) **Note:** Symbols on units & cartons; as required for appropriate size.

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SECTION 3: Composition/information on ingredients

3.0 : Mixtures

Description : This product is a mixture of:

CAS No.	EC No.	REACH RegistrationNo.	% (w/w)	Name	Classification according to (EC)1272/2008 (CLP)	Classification according to (EC) 1272/2008 CLP – raw materials
36653-82-4	N/A	N/A	0.1 – 0.5	Cetrimonium Chloride	H318 H314 H302 H350 H410	Acute Tox.4; Acute Tox.3. Causes serious eye damage Skin Corr. 1; Skin Corr. 2 Harmful if swallowed Causes respiratory irritation Very toxic to aquatic life with long lasting effects.
7173-51-5	N/A	N/A	0.1 – 0.5	Benzalkonium Chloride	H302 H315: H319: H400:	Acute Tox.4: Harmful If swallowed Causes severe skin burns Causes eye damage. Aq. Acute 1 : very toxic to aquatic life
61789-40-0	N/A	N/A	0.1 – 0.5	Cocamido propyl betaine	H410: H400; H410 H319:Category 1	Harmful to Aq. Tox. Long term hazards – CAT 3 Toxic to Aq. Tox. Acute – CAT 2Causes serious eye irritation
9002-93-1			0.1 - 0.5	Octylphenol Ethoxylate	H315/CAT.2 H319 H302/Skin Irrit.	Causes skin irritation Causes eye irritation Acute Toxicity

2. Mixtures

Description of the mixture:

A mixture of cationic surfactants, emollient/moisturiser, non-ionic thickener, solvent, in a main aqueous mixture.

Composition comments :The data shown are in accordance with the latest Regulation (EC) 1272/2008 CLP.

According to CLP – Classification for acute Dermal toxicity – Mixtures above are calculated according to values in Table 3.1.1.

- (i) CAS No. 63449-41-2 :Benzalkonium Chloride when calculated at its maximum range its
ATEmix value at its highest level shows value : >500,000mg/kg
- (ii) CAS No. 36653-82-4 :Cetrimonium Chloride when calculated at its maximum range its
ATEmix value at its highest level shows value : >100,000mg/kg
- (iii) CAS No. 61789-40-0 :Cocamidopropyl Betaine when calculated at its maximum range its
ATEmix value at its highest level shows value : >900,000mg/kg
- (iv) CAS No. 9036-19-5 :Octylphenol Ethoxylate when calculated at its maximum range its
ATEmix value at its highest level shows value : >500,000mg/kg

According to Regulation (EC) 1276/2008 CLP & Biocides(EU) 528/2012 & GHS, irritant ingredients require noclassification at their used concentration.

If ATEmix calculated value is >5000mg/kg the mixture would not be classified under the GHS criteria.

If ATEmix calculated value is >2000mg/kg the mixture is would not be classified in EU.

According to above Criteriae based on skin toxicity, this product is Globally satisfactory as its totalATEmix value is beyond both criteriae.

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INGREDIENTS LISTING:

Aqua
Hydroxyethyl Cellulose
Benzalkonium Chloride
Cocamidopropyl BetaineDMDM
hydantoin Octylphenol
Ethoxylate Cetrimonium
Chloride Citric Acid
Triethanolamine
Citrus Grandis (Grape fruit) Extract Aloe
Barbadensis Leaf Juice ExtractGlycerine

SECTION 4: First aid measures

1. Description of first aid measures

First aid

measures

Inhalation :

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion :

Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen ht clothing such as a collar, tie, belt or waistband.

Skin contact :

Wash contaminated skin with water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Cleanshoes thoroughly before reuse.

Eye contact :

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

2. Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards. No specific data. Once applied this product does not evaporate. So no inhalation effects are envisaged.

Ingestion : May cause nausea, headache, dizziness and intoxication. This product is not for ingestion.

Skin : None known.

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Eyes : May cause eye irritation like redness, irritation.

See **SECTION 11** for more detailed information on health effects and symptoms.

3. Indications of any immediate medical attention and special treatment needed

Notes to physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Show this Safety Data Sheet to the doctor in attendance.

Protection of first aid personnel

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5: Firefighting measures

1. Extinguishing media

Suitable :

Use water spray, fog /mist or foam. Carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Use an extinguishing agent suitable for the surrounding fire.

Not suitable :

2. Special hazards arising from the substance or

mixture Hazardous thermal decomposition products

No hazardous decompositions expected.

3. Advice for fire-fighters

Special precautions for fire-fighters

Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

1. Personal precautions, protective equipment and emergency Procedures

Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). **Avoid breathing vapour or mist.**

2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution when disposed in large quantities (sewers, waterways, soil or air). Contain spillage with sand, earth or other suitable non-combustible material.

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3. Methods and materials for containment and cleaning up

Small spill : Method of cleaning up

Wash thoroughly after dealing with a spillage with plenty of water during disposing into a sewage. Sometimes addition of Sodium Chloride (Salt) degrades product and can be disposed off with plenty of water into sewage.

Large spill :

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

4. Reference to other sections

Note: see SECTION 1 for emergency contact information, SECTION 8 for personal protection and SECTION 13 for waste disposal.

SECTION 7: Handling and storage

1. Precautions for safe handling

Usage precautions: Keep away from heat, sparks and open flame. Avoid contact with eyes.

2. Conditions for safe storage, including any incompatibilities

Storage precautions: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from sunlight.

Storage Class : Cool ambient temperature; keep away from sunlight.

3. Specific end use(s)

Specific end uses(s) : The identified uses for this product are detailed in **Section 1.1.**

SECTION 8: Exposure controls/personal protection

1. Control parameters

United Kingdom (UK) Workplace Exposure

Limits/Ingredients comments : None

Derived No-Effect Levels' (DNEL's) and Predicted No-Effect Concentrations' (PNEC's)

DNELS

No information available.

PNECS

No information available.

2. Exposure controls

Hygiene measures :

DO NOT SMOKE, EAT, DRINK IN WORK AREA! Promptly remove any clothing that becomes contaminated.

Eye and face protection

Avoid contact with eyes.

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Skin/Hand protection

Not required

Respiratory protection

Not relevant.

Appropriate engineering controls

Not relevant

Eye/face protection

Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product not getting into eyes.



SECTION 9: Physical and chemical properties

1. Information on basic physical and chemical properties

Appearance Physical state Colour	Clear viscous Liquid As per standard
Odour	Characteristic; as per standard
Odour threshold	Not determined.
pH	7.0 – 8.0
Melting Point	Not applicable
Initial boiling point and boiling range	Approximately 100°C
Flash point	N/A
Evaporation rate	No determined
Flammability	n/a
Explosion limits Upper Lower	Not data Not Applicable
Vapour pressure	No data
Vapour density	No data
Relative density	1.01 - 1.03
Solubility	Highly soluble and miscible in water
Partition coefficient: n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	Not data
Viscosity @ 20°C	8000 – 10000 cps
Explosive properties	Not data
Oxidising properties	No data

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2. Other information

Not applicable.

SECTION 10: Stability and reactivity

1. **Reactivity** : There are no known reactivity hazards associated with this product.
2. **Chemical stability** : The product is stable under normal conditions of storage and use.
3. **Possibility of hazardous** : No known reactions
4. **Conditions to avoid** : Avoid heat, and other sources of heat, like sunlight.
5. **Incompatible materials** : Anionic materials.
Materials to avoid : No specific material or group of materials is likely to react with the product to produce a hazardous situation.
6. **Hazardous decomposition** : N/A
products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Calculated ATEmix data on its actives in the product is available. According to Regulation (EC) 1276/2008, CLP, Acute Toxicity values are calculated in the mixture. The total sum of the ATEmix according to above regulation confirms mixture value >5000mg/kg.

This confirms this mixture is classified in Category 5 under GHS and Globally. This confirms product safety.

Based on the hazardous substances in the mixture and their concentration the product has been assessed according to the acute toxicity calculation method of Regulation (EC) **1272/2008 (as amended)**.

a) Acute toxicity

Oral

Based on the available data on component substances, the classification criteria for acute oral toxicity are not met.

Dermal

Based on the available data on component substances, the classification criteria for acute dermal toxicity are not met.

Inhalation

Based on the available data on component substances, the classification criteria for acute inhalation toxicity are not met.

Other routes

No data.

(b) Skin corrosion/irritation

Based on the available data on component substances, the classification criteria for skin corrosion or irritation are not met.

(c) Serious eye damage/irritation

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Highly irritating. QECED 438.

(d) Respiratory or skin sensitization

Based on the available data on component substances, the classification criteria for acute inhalation toxicity are not met.

(e) Germ cell mutagenicity

Based on the available data on component substances, the classification criteria for germ cell mutagenicity are not met.

(f) Carcinogenicity Based on the available data on component substances, the classification criteria for carcinogenicity are not met.

(g) Reproductive toxicity

Based on the available data on component substances, the classification criteria for reproductive toxicity are not met.

(h) STOT-single exposure

Based on the available data on component substances, the classification criteria for specific target organ toxicity as a result of single exposure are not met.

(i) STOT-repeated exposure

Based on the available data on component substances, the classification criteria for specific target organ toxicity as a result of repeated exposure are not met.

(j) Aspiration hazard

Based on the available data on component substances, the classification criteria for aspiration hazard are not met.

Other information

No applicable toxicity data. No known significant effects or critical hazards.

Inhalation : No specific health hazards known

Ingestion : May cause nausea, headache, dizziness and intoxication.
Skin contact : Skin irritation should not occur when used as recommended.

Eye contact : Irritating to eyes, Symptoms following overexposures may include the following: Redness. Pain.

SECTION 12: Ecological information

1. Toxicity

Ecotoxicity : The product does not meet the requirement for classification as an environmental hazard in accordance with Regulation (EC) 1272/2008 CLP.

2. Persistence and degradability

The surfactant(s) contained in this product comply with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

3. Bio-accumulative potential

Bio-accumulation : The product degrades and does not accumulate.

Partition coefficient : Not determined

4. Mobility in soil

Mobility : Product is soluble in water and degradation of active will occur.

5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be PBT or vPvB.

6. Other adverse effects

No known other adverse effects

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(In accordance to Regulation (EC) No. 1272/2008 CLP; (EC) 1907/2006. Annex 11, as amended)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Methods of disposal :

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste :

The classification of the product may meet the criteria for a hazardous waste when disposed in large quantities.

SECTION 14: Transport information

This product does not require a classification for transport.

1. **UN number** UN No. (ADR/RID/IMDG)
2. **UN proper shipping name (ADR/ID) (IMDG)**

Proper shipping name

(ICAO) Proper shipping name

(ADN)

3. **Transport hazard class(es)** ADR/RID class

ADR/RID label

class IMDG class

ICAO class/

division Transport

labels

4. **Packing**

group ADR/RID

packing group IMDG

packing group ICAO

packing group

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5. Environmental hazards

6. Special precautions for user

EmS

Emergency Action Code

Hazard Identification
Number(ADR/RID)

Tunnel restriction code (D/E)

7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU regulations

. **CLP** – Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

. **REACH Status**

The substance(s) in this product has (have) been pre-registered, registered or are exempt according to Regulation (EC) No.1907/2006 (REACH) (as amended).

. **Regulation (EU) No. 528/2012** (as amended) concerning the making of available on the market and the of biocidal products.

. **Commission Directive 91/322/EEC** of 29th May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

. **Commission Directive 2000/39/EC** of 8th June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).
SEVESO II Directive 96/82/EC (as amended).

Detergent Regulation [Regulation (EC) No 648/2004]

Product ingredients include:-

UK Regulations

COSHH – Control of Substances Hazardous to Health Regulations 2002 (as amended). COMAH – Control of Major Accidents Hazards Regulations 1999 (as amended).

CHIP – The Chemical (Hazard Information and Packaging for Supply) Regulations 2009

2. Chemical safety assessment

According to Regulation (EC) 1276/2008 CLP classification active component(s) have been considered for their toxicity while in use.

According to Annex 1 (EC) 1276/2008 CLP its Mixture Acute Toxicity is calculated based on Section 3.1.3.6.1 under Acute Toxicity.

Calculated ATE mix in formulation confirms criteria >5000mg/kg.

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(In accordance to Regulation (EC) No. 1272/2008 CLP; (EC) 1907/2006. Annex 11, as amended)

SECTION 16: Other information

General information : Use biocides safely. Always read the label and product information before use. Only trained personnel should use this material.

Key literature references and Sources for data :Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.

Revision comments :SDS typed in line with Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended)

Revision Date : 27th May 2020

Revision 1

Hazards statements in full : H319 Causes serious eye irritation.

Notes for Risk Phrases and Hazard Statements in Full : The full text for Risk Phrases and Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and are not necessarily related to finished product classification.

Safety Data Sheet complied according to Regulation (EC) 1272/2008 CLP & Regulation (EC) No. 1907 (as Amended).

Notice to readers

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates 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, unless specified in the text.