

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

1.1 Product identifier

Product form Mixture
Trade name Clen Descaling Liquid
Product group Trade product
Product code CCA0050

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

1.2.1 Relevant Identified uses

Main use category Professional use
Function or use category Washing and cleaning products (including solvent based products).
A professional limescale removing liquid used in the catering industry.

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Nexon Group SCM Ltd
Richmond House
Deepdale Enterprise Park
Deepdale Lane
Nettleham
Lincoln
LN2 2LL
Tel: +44 (0) 1522 500006
Email: info@nexongroup.co.uk

1.4 Emergency telephone number

+44 (0) 1522 500006

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye Dam. 1: H318;
Skin Irrit. 2: H315

2.2 Label elements

Hazard pictograms (CLP)



Signal Word (CLP)

Hazard Statements (CLP) damage.

Precautionary statements (CLP)

Danger

H314 Causes severe skin burns and eye damage.

P102 Keep out of reach of children.

P260 Do not breathe mist.

P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P315 Get immediate medical advice/attention.

P501 Dispose of contents/container in accordance with local regulations.

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

EU Phrases

2.3 Other hazards

Other hazards not contributing to the classification:

No presence of PBT and vPvB ingredients.

SECTION 3: Composition/information on ingredients

3.1 Substance

3.2 Mixture

Common Name	CAS NO./EC No.	Classification	Conc (%)
PHOSPHORIC ACID	7664-38-2 231-633-2	Skin Corr. 1B - H314	10 – 20 %
CITRIC ACID	77-92-9 201-069-1		1 – 5 %

The full texts for all R-, H- and EUH-phrases are displayed in Section 16 'Other Information'.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation	IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if you feel unwell.
First aid measures after skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention, and discontinue use of product.
First aid measures after eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, immediately call a doctor.
First aid measures after ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink plenty of water. Seek medical advice if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	Coughing. sneezing.
Symptoms/injuries after skin contact	Redness. Swelling. dryness. Itching.
Symptoms/injuries after eye contact	Severe pain. Redness. Swelling. Blurred vision.
Symptoms/injuries after ingestion	Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed

Refer to section 4.1.

Section 5: Firefighting measures

5.1 Extinguishing media

Product itself is not explosive or flammable. The product itself will not burn. If anything, packaging may be involved in a fire. Use CO₂, dry chemical powder, alcohol resistant foam or other media appropriate for materials actually involved in the fire. If water is used, contain run-off.

5.2 Special hazards arising from the substance or mixture

When heated sufficiently, product may decompose to form toxic fumes.

5.3 Advice for firefighters

Special protective equipment: Fire fighters should wear approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Avoid contact with skin and eyes. For appropriate personal protection see section 8.

6.1.2 For emergency responders

6.2 Environmental precautions

Although this product is suitable for down the drain disposal it is advised that as much of the liquid is contained, before final dispersal of any residue with water.

6.3 Methods and material for containment and cleaning up

Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes. Contact appropriate environmental protection agencies, (Environment Agency in the UK) and local water authorities if significant contamination occurs.

For small and large spills: scoop spillage into suitable plastic containers and rework/dispose as per local legislation.

6.4 Reference to other sections

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with neat product on skin and eyes. Wear protective clothing as per section 8.

7.2 Conditions for safe storage, including and incompatibilities

Store in closed original container in a cool and dry area.

Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials, such as Hypochlorites and Bleaches. Alkalis.

7.3 Specific end use(s)

Section 8: Exposure controls/personal protection

8.1 Control parameters

PHOSPHORIC ACID ...%

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

8.2 Exposure control

Materials for protective clothing

Hand protection

Wear gloves during direct contact.

Eye protection

Wear eye/face protection.

Skin and body protection

Not applicable.

Respiratory protection

Not applicable.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Not determined
Odour	Non detectable
Odour threshold	Not determined
pH	ca. 2-3
Relative evaporation rate (butylacetate=1)	Not determined
Melting point	Not determined
Freezing point	Not determined
Boiling point	Not determined
Flash point	Not determined
Auto-ignition temperature	Not combustible
Decomposition temperature	Not determined
Flammability (solid, gas)	Not combustible
Vapour pressure	Not determined
Relative vapour density at 20 °C	Not determined
Relative density	ca. 1.1
Solubility	Not determined
Log Pow	Not determined
Viscosity, kinematic	Not determined
Viscosity, dynamic	Not determined
Explosive properties	Non-Explosive
Oxidising properties	Not determined
Explosive limits	Not determined
Water solubility	Soluble

Section 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical Stability

Reacts with alkalis and generates heat.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

None

10.5 Incompatible materials

10.6 Hazardous decomposition products

Material to avoid: Do not mix with other cleaning products unless advised to do so by a professional from the industry.

Avoid Alkalis and Oxidising Agents.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute Oral Toxicity:

May cause burns in mucous membranes, throat, oesophagus and stomach.

Acute Inhalation Toxicity:

Mists may irritate throat and respiratory system and cause coughing.

Acute Dermal Toxicity:

Irritating/ damaging to skin

Skin corrosion/irritation

May cause chemical burns of the skin. Prolonged contact may cause tissue damage.

Serious eye damage/irritation

Causes burns. Risk of corneal damage. Visual disturbances including blurred vision.

Respiratory or skin sensitisation

Not expected to provoke a sensitisation reaction.

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Not data available.

Specific target organ toxicity (single exposure)

No data available

Specific target organ toxicity (repeated exposure)

No data available

Aspiration hazard

No data available

Section 12: Ecological information

On the basis of raw materials and comparable substances contained in the product the following ecological evaluation is obtained.

Ecotoxicity: This product is intended for wide dispersive use, is not considered harmful to aquatic organisms and is compatible with the down-the-drain disposal route. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.1 Toxicity

12.2 Persistence and degradability

This product has not been found to cause long-term adverse effects in the environment. The surfactants used in this product are biodegradable in line with the requirements of EU Detergent Regulation (EC) No 648/2004. 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.

12.3 Bioaccumulative potential

The ingredients of this product are not expected to bioaccumulate.

12.4 Mobility in soil

Not determined.

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

Section 13: Disposal considerations

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC/648/2004 on detergents.

Section 14: Transport information

UK ROAD CLASS	8
PROPER SHIPPING NAME	PHOSPHORIC ACID
UN NO. ROAD	UN1805
UK ROAD PACK GR.	III
ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III
HAZARD No. (ADR)	80
ADR LABEL NO.	8
HAZCHEM CODE	2R
CEFC TEC(R) NO.	80GC1-II+III, 80GC2-II+III
RID CLASS NO.	8
RID PACK GROUP	III
UN NO. SEA	1805
IMDG CLASS	8
IMDG PACK GR.	III
EMS	F-A, S-B
MARINE POLLUTANT	No
UN NO. AIR	1805
AIR CLASS	8
AIR PACK GR.	III

14.7 Transport in bulk according 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

15.1.1 EU-regulation: No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list

The surfactant(s) contained in this preparation complies (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.

15.1.2 National Regulations: No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

Section: Other information

Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the R-, H- and EUH-phrases indicated in this safety data sheet are as follows:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.