

Product Information

J1041 - CRYSTO descale+

Kitchen descaler



Why to use it

- CRYSTO descale+ is a concentrated food safe descaler to control build up of limescale on kitchen appliances.
- Works equally well in hard and soft water conditions.
- Stainless steel safe.

Where to use it

Developed for use in all kitchen and food processing areas, it is ideal for the descaling of kettles, boilers, coffee machines & steam irons. Shower heads may also be effectively descaled using CRYSTO descale+.

How to use it

Please see overleaf.

Hazard Symbols



PPE Requirements



CRYSTO descale+ cont'd

How to use it

KETTLES (hot method) for rapid descaling of kettles:

Half fill kettle with water and boil. Disconnect from power supply and leave to cool for 60 seconds. Slowly add 200ml (one cup) of the product and leave effervescence to subside. If scale is not completely removed, reheat only until effervescence reappears.

DO NOT BOIL. Switch off and allow to cool. Once descaling is complete empty kettle and rinse twice. Fill kettle with water, boil and discard water before use.

KETTLES (cold method):

Pour 100mls (half a cup) of the product into kettle and fill with tap water. Stir and leave for 8 hours. Empty kettle and rinse twice with tap water. Fill kettle with water, boil and discard water before use. For heavily scaled kettles use 200ml (one cup) of the product and follow procedure above.

STEAM IRONS:

Mix 50ml (quarter cup) of the product with 50ml of water in a jug. Add to steam iron and top up with water to fill reservoir. Place in a plastic bowl with the hotplate face down. Leave for 15 to 20 minutes before emptying. Rinse twice with water and wipe dry.

COFFEE MACHINES

Pour 100ml (half a cup) of the product into a Jug and add two cups of water. Stir thoroughly and pour into reservoir. Switch machine on for one minute. Switch off and leave for 8 hours. Switch on and boil the remaining liquid through as normal. Discard liquid and boil a full container through the machine at least twice before use.

SHOWER HEADS:

Pour 50ml to 100ml of the product into a narrow jug. Disconnect shower head and place head down in liquid. Top up with hot water to cover shower head, stir and leave for 30 minutes. Rinse before use. Appliance outer surface: watermarks and limescale can be removed from the surface by applying neat product with a cloth or sponge removing after a short period. Appliances should be cold during this process.

SAFETY DATA SHEET

Compilation date:

compiled according to Regulation (EC) No. 453/2010

27/05/15

Revision [CLP]:

1*

1. Identification of the Substance/Preparation and of the Company/Undertaking

1.1. Product identifier

Product form:

Mixture

Trade name :

Cryto Descale Kitchen Descaler

Product group :

Trade product

Product code :

J1041

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

Company Name:

Concept-O
Rathenraw Industrial Estate,
Antrim
BT41 2SJ
Tel: +44 28 9446 2233

2. Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1: H318;

Skin Irrit. 2: H315

2.2 Label Elements

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

Hazard Pictograms (CLP)



Signal word (CLP):

Danger

Hazard Statements (CLP):

H314 Causes severe skin burns and eye damage.

Precautionary statements (CLP)

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'.

2.3 Other Hazards

Other hazards not contributing to the classification: No presence of PBT and vPvB ingredients.

3. Composition/information on ingredients:

Common Name	CAS No./ EC No.	Classification According to (EC) 1272/2008 (CLP)	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'.

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.

5. Fire fighting measures

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.

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

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

6. Accidental release measures

Personal precautions:

Avoid contact with skin and eyes. For appropriate personal protection see section 8.

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.

Methods and material for containment and clean-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.

7. Handling and storage

Precautions for safe handling:

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

Storage precautions:

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.

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 controls

8.2.1. Appropriate engineering controls: Not applicable.

8.2.2. Personal protective equipment

Hand protection:

Wear gloves during direct contact.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Not applicable.

Respiratory protection:

Not applicable.

8.2.3. Environmental exposure controls:

No particular measures required

9. Physical and chemical properties

Appearance: Clear Liquid

Odour: Non detectable

pH (10% aqueous solution) : ca. 2-3

Melting point: Not determined

Boiling point: Not determined

Flash point: Not combustible

Evaporation rate: Not determined

Flammability: Not combustible

Explosive properties: Non-Explosive

Oxidising properties: Not determined

Vapour pressure/density: Not determined

Relative density: ca. 1.1

Water solubility: Soluble

Partition coefficient: Not determined

Auto ignition temperature: Not combustible

Decomposition temperature: Not determined

Viscosity: Not determined

10. Stability and reactivity

Stability:

Reacts with alkalis and generates heat.

Conditions to avoid:

None

Materials 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.

11. Toxicological information

11.1 Information on toxicological effects

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/eye irritation:

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

Sensitisation:

Not expected to provoke a sensitisation reaction.

Repeated Dose Toxicity:

Not data available.

Assessment of STOT single exposure: No data available

Assessment of STOT repeated exposure: No data available

Risk of Aspiration Toxicity: No data available

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.

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.

Bioaccumulative potential: The ingredients of this product are not expected to bioaccumulate.

Mobility in soil: Not determined.

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.

14. Transport information

UN No: None

Classification: Not classified as hazardous for transport.

UN proper shipping name: None

Transport hazard class: Not subject to ADR/IATA/IMDG/RID codes.

Packing group: None

Environmental hazards: None

Special precautions for user: None

15. Regulatory information

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

15.1.1. EU-Regulations

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

16. 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.