

Kamco Limited

MATERIAL SAFETY DATA SHEET

SCALEBREAKER CG citric acid blend

Revision date: 31/09/2020

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

1.1. Product identifier

Product name: Kamco SCALEBREAKER CG
REACH registered no: 01-2119457026-42-XXXX
CAS no: 5949-29-1

EINECS no: 201-069-1

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

Use of substance / mixture: Descaling / removal of hard water and corrosion deposits

1.3. Details of the supplier of the safety data sheet

Company name: Kamco Ltd
Unit 9, Curo Park
Frogmore
St Albans
Herts
AL2 2DD

Tel: 01727 875020

Email: info@kamco.co.uk

1.4. Emergency telephone number

01727 875020 (only available during office hours)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye irritant. 2: H319

Classification under CHIP: Xi: R36/38

Most important adverse effects: Causes serious eye irritation

2.2. Label elements

Label elements under CLP:

Hazard statements: H319 Causes serious eye irritation.

Signal words: Warning

Hazard pictograms:



GHS07: Exclamation mark.

Precautionary statements: P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+313: If skin irritation occurs: Get medical attention.

2.3. Other hazards

Other hazards: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: CITRIC ACID blend.

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. If irritation develops or persists seek medical attention.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious give half a litre of water to drink immediately. If irritation develops or persists seek medical attention.
- Inhalation:** N/a in foreseeable usage application.

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

- Skin contact:** There may be irritation and redness at site of contact. An itchy rash may occur at the site of contact. Repeated or long exposure can cause reddening, burning and blisters.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting.
- Inhalation:** May cause irritation of the mucous membranes and respiratory system.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Alcohol or polymer foam. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products: Fumes of carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear suitable protective clothing. Do not create dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water. Product may be dampened with a little water to reduce dust formation.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of MSDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Wear suitable protective clothing. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid contact with the material and breathing its dust.

7.2. Conditions for safe storage, including and incompatibilities

Storage conditions: Keep container tightly closed. Avoid contact with water or humidity. Avoid incompatible materials and conditions – see section 10 of MSDS.

Suitable packaging: Paper, plastic or poly lines bags or kegs.

7.3. Specific end use(s)

Specific end uses(s): The identified uses for this product are detailed in Section 1.2

Section 8: Exposure controls/personal protection

8.1. Control parameters

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4 mg/m ³	

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 are in place.

Respiratory protection: Respiratory protective device with particle filter.

Skin/Hand protection: Protective gloves (acid resistant)

Eye/Face protection: Safety goggles giving complete protection to eyes. Ensure eye bath is to hand.

Skin protection: Protective clothing. Ensure safety shower is to hand.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Colourless to white

Physical Form: Crystalline powder

Odour: Odourless

pH: 2.5 (10g/l @ 20°C.)

Melting point: 153°C

Solubility (ies): Dissolves in hot and cold water, ethanol, diethyl ether.

9.2. Other information

Not applicable

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions of use and storage

10.3. Possibility of hazardous reactions

Hazardous reactions: No information available

10.4. Conditions to avoid

Conditions to avoid: Humidity, moist air. Extremes of temperature.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents, bases, acetates, metal nitrates, potassium tartrate.

10.6. Hazardous decomposition products

Haz. decomp. products: May give off toxic fumes in a fire, including carbon dioxide and carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RBT	LD50	11700	Mg/kg
ORAL	MUS	LD50	5040	Mg/kg

Relevant hazards for substances:

Hazard	Route	Basis
Serious eye/damage / irritation	OPT	Based on test data

Symptoms / routes of exposure

- Skin contact: There may be irritation and redness at site of contact. An itchy rash may occur at the site of contact. Repeated or long exposure can cause reddening, burning and blisters.
- Eye contact: There may be irritation and redness. The eyes may water profusely.
- Ingestion: May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting.
- Inhalation: May cause irritation of the mucous membranes and respiratory system.

Section 12: Ecological information**12.1. Toxicity****Ecotoxicity values:**

Species	Test	Value	Units
GOLDFISH	96H LC50	440-706	Mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water

12.5. Results of PBT and vPvB assessment

PBT or vPvB identification: This material is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Negligible eco-toxicity. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided. Large doses cause low pH which may affect effluent and sewage treatment processes.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
Disposal of packaging: Contaminated containers must not be treated as household waste.

Section 14: Transport information

UN number: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: No specific applicable legislation.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has been carried out for the substance by the supplier.

Section 16: Other information

List of relevant hazard statements:

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. Kamco Limited shall not be held liable for any damage resulting from handling or from contact with the above product.