

Kamco Limited

MATERIAL SAFETY DATA SHEET

SCALEBREAKER LS3

Revision date: April 2020

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

1.1. Product identifier

Product name: SCALEBREAKER LS3 boiler cleaning liquid.

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

Use of substance / mixture: Boiler cleaning liquid.

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

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP:

Physical: Not classified.

Health: Acute Tox.4 – H302

Environmental: Not classified.

2.2. Label elements

Label elements under CLP: EC No. 213-911-5

Hazard statements: H302 Harmful if swallowed

Signal words: Warning

Hazard pictograms:



Precautionary statements: P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330: Rinse mouth.
P501: Dispose of contents by flushing away with water and neutralising with alkali to neutral pH. For large quantities, seek advice from specialist

2.3. Other hazards

Other hazards: None

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients: Ammonium Bicarbonate
CAS-No. 1066-33-7
EC No.213-911-5

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove Contaminated clothing immediately and wash skin with soap and water.
Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
Ingestion: Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300ml). Get medical attention if any discomfort continues.
Inhalation: Move the person to fresh air at once. Get medical attention if any discomfort continues.

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

Acute: Ingestion: May cause discomfort if swallowed.

Delayed:

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

Immediate / special treatment: No recommendations given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, get medical attention promptly.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion hazards: Ammonia or amines. Oxides of: Carbon.

5.3. Advice for fire-fighters

Protective equipment for fire-fighters: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions: Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb with sand or other inert, damp, non-combustible material. Collect spillages in containers, and seal securely.

6.4. Reference to other sections

Reference to other sections: Wear protective clothing as described in Section 8 of this safety data sheet.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid contact with skin and eyes. Provide good ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool area. Scalebreaker LS3 has a relatively high vapour pressure, and storage of containers at high Temperature may cause the container to bulge slightly. If so, release cap carefully, to lower pressure.

7.3. Specific end use(s)

Specific end uses(s): Boiler cleaning liquid.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Ingredient Comments: No exposure limits noted for ingredients.

8.2. Exposure controls

Protective equipment:



Respiratory protection: If ventilation is insufficient, suitable respiratory protection must be provided

Skin/Hand protection: PVC gloves are recommended.

Eye/Face protection: Wear approved safety goggles.

Other protective Equipment Wear rubber apron. Wear rubber footwear.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Fluorescent green liquid.

Physical Form: Liquid.

Odour: Ammonia

pH: pH of 1% solution : ca.7.

Relative Density (water=1): 1.07kg/litre

Solubility (ies): In water: infinite.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Will react with acids and alkalis, liberating carbon dioxide.

10.2. Chemical stability

Chemical stability: Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not determined.

10.4. Conditions to avoid

Conditions to avoid: Avoid extremes of temperature.

10.5. Incompatible materials

Materials to avoid: Strong acids. Strong Alkalis.

10.6. Hazardous decomposition products

Haz. decomp. products: Ammonia of amines. Oxides of: Carbon.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxic Dose: Toxic Dose 1 – LD50 1576 mg/kg 9oral rat)

Inhalation: Irritating to respiratory system.

Ingestion: Harmful if swallowed.

Skin Contact: Irritating to skin.

Eye contact: Irritating to eyes.

Section 12: Ecological information

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Toxicity: LC 50, 96Hrs, Fish mg/l 102

12.2. Persistence and degradability

Degradability: The product is biodegradable.

12.3. Bioaccumulative potential

Partition coefficient: -2.4

12.4. Mobility in soil

Mobility: The product is soluble in water.

12.5. Results of PBT and vPvB assessment

PBT or vPvB identification: Not Applicable.

12.6. Other adverse effects

Other adverse effects: Not determined.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dilute with water, and flush to drain with plenty of water. Observe local disposal regulations.

Section 14: Transport information

Shipping name: SCALEBREAKER LS3.

The product is not covered by international regulation on the transportation of dangerous goods (IMDG, IATA, ADR/RID).

Section 15: Regulatory information

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

Statutory instruments: The chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes: CHIP for everyone HSG (108).

EU Legislation: Regulation (EU) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2002/21/EC, including amendments.

Section 16: Other information

List of relevant hazard statements: H302 Harmful if swallowed.

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.