



KAMCO LTD
SAFETY DATA SHEET
System PreClean

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

1.1. Product identifier

Product Name: System PreClean

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

Use of substance / mixture: A neutral pH precommission cleaner for heating and chilled water systems.

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 Website: www.kamco.co.uk

1.4. Emergency telephone number

01727 875 020 (Office Hours 8-5)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: AcuteTox.4: H302

2.2. Label elements

Label Elements under CLP:

Hazard statements: H302: Harmful if swallowed.

Signal word: Warning

Hazard pictograms:



Precautionary statements: P264: Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell. P330: Rinse mouth. P501: Dispose of contents/container to contents/container comply with local regulations.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance

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Section 3: Composition/information on ingredients

3.2. Hazardous ingredients

| Ingredients | EINECS | CAS | Reach Reg No. | CLP Class | Percent |
|---------------------|-----------|-----------|-----------------------|---|---------|
| AROMATIC ETHOXYLATE | | 9004-78-8 | | Skin Irrit. 2 ; Eye Irrit. 2; | 1-10% |
| SODIUM NITRATE | 231-554-3 | 7631-99-4 | 01-2119488221-41 | Ox. Sol. 2; Eye Irrit. 2; | 1-10% |
| SODIUM NITRITE | 231-555-9 | 7632-00-0 | 01-2119471836-27-XXXX | Ox. Sol. 3; Acute Tox. 3; Aquatic Acute 1 ; | 1-10% |

Contains :

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

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: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

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Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

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

Section 7: Handling and Storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.
Keep container tightly closed.

Suitable packaging: Polyethylene. Polypropylene. Stainless steel. Unsuitable packaging: metals and alloys.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control Parameters

8.1. DNEL/PNEC Values

DNEL / PNEC: No data available

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Solubility in water: Miscible in all proportions

Colour: pale yellow - straw

Relative density: 1.082

pH: 8 - 9

Odour: Odourless

Viscosity Test Method:

Boiling Point / Range:

Melting Point / Range:

Vapour Press:

9.2. Other information

Other information: No data available.

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.

10.3. Possibility of hazardous reactions

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Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

SODIUM NITRATE

| | | | | |
|-----|-----|------|------|-------|
| ORL | RAT | LD50 | 1267 | mg/kg |
| IVN | MUS | LD50 | 175 | mg/kg |

SODIUM NITRITE

| | | | | |
|-----|-----|------|-------|-------|
| SCU | RAT | LD50 | 96600 | µg/kg |
| ORL | RAT | LD50 | 180 | mg/kg |
| ORL | MUS | LD50 | 175 | mg/kg |

Effects of mixture

Calculated

11.2. Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility in solid: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

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Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Return empty containers to the supplier for recycling. Damaged containers should be destroyed by cutting up or by incineration. Do not use for potable water.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN Number

UN number: -

14.2. UN Proper shipping name

Shipping name: NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

14.3. Transport hazard class(es)

Transport class:

14.4. Packing Group

Packing group:

14.6. Special precautions for user

Tunnel Code:

Transport category:

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Chemical safety assessment: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

Phrases used in s.2 and 3: H272: May intensify fire; oxidiser.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.

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.