



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, Fax: 01727 875335
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 CHIP: T:R25;

Classification under CLP: Acute Tox. 4: H302

Most important adverse effects: Toxic if swallowed.

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+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P330: Rinse mouth.
P501: Dispose of to @@@comply with local regulations.

Label Elements under CHIP:

Hazard Symbols:



Risk phrases: R25: Toxic if swallowed;

Safety phrases: S38: In case of insufficient ventilation, wear suitable respiratory equipment;
S45: In case of accident or if you feel unwell, seek medical advice

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immediately (show the label wher;

Precautionary phrases:

2.3. Other hazards

PBT: This substance is not identified as a PBT substance

Section 3: Composition/information on ingredients

3.2. Hazardous ingredients

Ingredients	EINECS	CAS	Reach Reg No.	CHIP Class	CLP Class	Percent
SODIUM NITRITE	231-555-9	7632-00-0	01- 2119471836- 27-XXXX	T:R25; N:R50; O:R8;	Ox. Sol. 3: H272; Acute Tox. 3: H301; Aquatic Acute 1: H400	1-10%

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. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately.
- If unconscious,
check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be pain and redness.
- Ingestion:** There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.
- Inhalation:** There may be shortness of breath with a burning sensation in the throat. 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: Toxic. 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: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take

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action without suitable protective clothing - see section 8 of SDS.

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

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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 direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in 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: Self-contained breathing apparatus must be available in case of emergency.

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: Colourless
Relative density: 1.082 pH: 8 - 9
Odour: Odourless

Viscosity:

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

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Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical Stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage condition

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Soft metals (aluminium, zinc etc.) 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 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 irritation and redness at the site of contact.

Eye contact: There may be pain and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

Inhalation: There may be shortness of breath with a burning sensation in the throat. 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:

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility in solid: Soluble in water.

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.
H400: Very toxic to aquatic life.
R25: Toxic if swallowed.
R50: Very toxic to aquatic organisms.
R8: Contact with combustible material may cause fire.

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.