



KAMCO LTD
SAFETY DATA SHEET
HyperFlush

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

1.1. Product identifier

Product Name: HyperFlush

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

Use of substance / mixture: A non acid corrosion debris remover for closed circuit 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: Xi:R41;

Classification under CLP: Eye Dam. 1: H318

Most important adverse effects: Risk of serious damage to eyes.

2.2. Label elements

Label Elements under CLP:

Hazard statements: H318: Causes serious eye damage.

Signal word: Danger

Hazard pictograms:



Precautionary statements: 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
P310: Immediately call a POISON CENTER or doctor.

Label Elements under CHIP:

Hazard Symbols:



Risk phrases: R41: Risk of serious damage to eyes;

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S39: Wear eye / face protection;

Precautionary phrases:

KAMCO LTD

SAFETY DATA SHEET

HyperFlush

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
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	200-573-9	64-02-8	01-2119486762-27	Xn:R22; Xi:R41;		1-10%
1-HYDROXY ETHYLIDENE-1,1-DIPHOSPHONIC ACID	220-552-8	2809-21-4	01-2119488030-46	Xn:R22; Xi:R41;	Eye Dam. 1: H318; Acute Tox. 4: H302; Met. Corr. 1: H290	10-30%
BENZENESULPHONIC ACID, DODECYL(SULPHOPHENOXY)-,DISODIUM SALT	249-063-8	28519-02-0		Xi:R41; N:R51/53;	Eye Dam. 1: H318; Aquatic Chronic 2: H411	<1%
DISODIUM OXYBIS(DODECYLBENZENESULPHONATE)	246-688-8	25167-32-2		Xi:R41; N:R51/53;	Eye Dam. 1: H318; Aquatic Chronic 2: H411	<1%

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

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. The eyes may water profusely. There may be severe pain. The vision may become blurred.
- May cause permanent damage.
- Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
- Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

KAMCO LTD

SAFETY DATA SHEET

HyperFlush

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: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take 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: 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. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

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: Tightly fitting safety goggles. 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

Relative density: 1.18

pH: 6-7.5

Odour: Perceptible odour

KAMCO LTD

SAFETY DATA SHEET

HyperFlush

Viscosity:

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

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: Strong acids. Soft metals (aluminium, zinc etc.)

10.6. Hazardous decomposition products

Hazardous decomposition products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

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. The eyes may water profusely. There may be severe pain. The vision may become blurred.

May cause permanent damage.

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

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

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

KAMCO LTD

SAFETY DATA SHEET

HyperFlush

Other adverse effects: No data available.

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: 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: H290: May be corrosive to metals.
H302: Harmful if swallowed.
H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.
R22: Harmful if swallowed.
R41: Risk of serious damage to eyes.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.