



KAMCO LTD
SAFETY DATA SHEET
HYPER-FLUSH

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

Product identifier

Product Name: HYPER-FLUSH

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.

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

Emergency telephone number

01727 875 020

Section 2: Hazards identification

Classification of the substance or mixture

Classification under CHIP: Xi:R41;

Label elements

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:

Other hazards

PBT: This substance is not identified as a PBT substance

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Section 3: Composition/information on ingredients

Hazardous ingredients

Ingredients	EINECS	CAS	CHIP Classification	Percent
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	200-573-9	64-02-8	Xn:R22; Xi:R41;	1-10%
1-HYDROXY ETHYLIDENE-1,1-DIPHOSPHONIC ACID	220-552-8	2809-21-4	Xi:R41;	10-30%
BENZENESULPHONIC ACID, DODECYL(SULPHOPHENOX Y)-,DISODIUM SALT	249-063-8	28519-02-0	Xi:R41; N:R51/53;	<1%

Section 4: First aid measures

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.

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

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

Exposure hazards: In combustion emits toxic fumes.

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

Section 6: Accidental release measures

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.

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

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage

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container for disposal by an appropriate method.

Section 7: Handling and Storage

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.

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

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

Section 8: Exposure controls/personal protection

Control Parameters

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

State: Liquid

Solubility in water: Miscible in all proportions

Colour: Colourless

Odour: Perceptible odour

Relative density: 1.17 pH: 6-7.5

Section 10: Stability and reactivity

Chemical Stability: Stable under normal conditions.

Conditions to avoid: Heat.

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

Hazardous decomposition products: In combustion emits toxic fumes.

Section 11: Toxicological information

Information on toxicological effects

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.

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

Section 12: Ecological information

Ecotoxicity values: Not applicable

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Mobility in solid: Readily absorbed into soil.

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

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

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

UN number: -

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

Transport class:

Packing group:

Section 15: Regulatory information

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

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.