

Kamco Limited

MATERIAL SAFETY DATA SHEET

NEUTRALISING CRYSTALS

Revision9: date: Dec 2020

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

1.1. Product identifier

Product name: NEUTRALISING CRYSTALS
REACH registered no: 01-2119485498-19-XXXX
CAS no: 497-19-8
EINECS no: 207-838-8

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

Use of substance / mixture: Neutralising of acidic descaling products before disposal.

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

Emergency tel: 01727 875020

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2 – H319

Classification under CHIP: Xi;R36

Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements under CLP:

Hazard statements: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements: P264: Wash hands thoroughly after handling.
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 present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.

2.3. Other hazards

Other hazards: Hygroscopic: readily absorbs water from air.
PBT: This substance is not identified as a PBT substance

Section 3: Composition/information on ingredients

3.2. Mixtures

SODIUM CARBONATE REACH Registration No. 01-2119485498-19-0012

EINECS	CAS	CHIP Classification	CLP Classification	Percent
207-838-8	497-19-8	Xi: R36	-	

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

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

Skin contact: Slightly irritating.
Eye contact: Irritating to eyes.
Ingestion: May cause discomfort if swallowed.
Inhalation: May cause irritation to the respiratory systems.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: The product does not support combustion. If heated emits toxic fumes of carbon dioxide/monoxide.

5.3. Advice for fire-fighters

Advice 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: Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions

Environmental precautions: Do not discharge in to drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Flush area with plenty of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of MSDS

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid spilling, skin and eye contact. Provide good ventilation.

7.2. Conditions for safe storage, including and incompatibilities

Storage conditions: Keep containers tightly closed. Store in dry, ventilated area away from materials which react with alkalis. Keep in original container.

Suitable packaging: Plastic tubes or pails.

7.3. Specific end use(s)

Specific end uses(s): Neutralising of acidic descaling products before disposal.

Section 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

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

Respiratory protection: Avoid breathing dust. No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10mg/m³.

Hand protection: Protective gloves.

Eye protection: Safety goggles/face shield are recommended.

Skin protection: Protective clothing (e.g. rubber apron/rubber footwear)

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Crystalline powder, dust.

Colour: White

Solubility in water: Soluble in water.

pH: >11 (10%)

Solubility value (g/100g H₂O@20°C): 26

Relative density: 2.5 g/ml @ 20C

9.2. Other information

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity:

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Hazardous reactions: Avoid exposure to moisture and humid atmospheres to prevent caking.

10.4. Conditions to avoid

Conditions to avoid: Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid: Strong acids, acid anhydrides, and aluminium.

10.6. Hazardous decomposition products

Haz. decomp. products: Oxides of carbon

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
IHL	RAT	LC50	2300	mg/m ³
ORL	RAT	LD50	2800	mg/kg
DERMAL	RBT	LD50	>2000	mg/kg

Relevant hazards for substance:			
Hazard	Route	Basis	
Serious eye damage/irritation	OPT	Xi: R36	

Symptoms / routes of exposure

Skin contact: Slightly irritating.

Eye contact: Irritating to eyes.

Ingestion: May cause discomfort if swallowed.

Inhalation: May cause irritation to respiratory system.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:			
Species	Test	Value	Units
DAPHNIA	48H EC50	200-227	mg/l

12.2. Persistence and degradability

Persistence and degradability:

12.3. Bioaccumulative potential

Bioaccumulative potential:

12.4. Mobility in soil

Mobility: The product is 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: Spillage in sewers or waterways must be avoided. Large doses cause high pH which may affect effluent and sewage.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. In small quantities, dispose of by flushing away with copious amounts of water or slowly neutralising with acid to neutral pH. Neutralisation generates heat.

Disposal of packaging:

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

Section 14: Transport information

Transport class: This product is not classified for transport.

Section 15: Regulatory information

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

Statutory instruments: Not applicable.

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

Section 16: Other information

Other information:

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.