



Guest Medical

SAFETY DATA SHEET Alkali Neutralising Powder

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

1.1. Product identifier

Product name: Alkali Neutralising Powder Code: H 9420 (CS)

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

Identified uses: Part of the Guest Chemical Spill Kit - for neutralising alkali spills when used according to instructions.

1.3. Details of the supplier of the safety data sheet

Supplier Guest Medical Limited

Unit A6, Larkfield Trading Estate, New Hythe Lane, Aylesford. Kent. ME20 6SW

T: +44(0) 1622 791895, (Hours 09:00- 17:00 Mon to Fri)

F: +44(0) 1622 716309

enquiries@guest-medical.co.uk

Emergency telephone number: +44(0) 1622 791895, (Hours 09:00- 17:00 Mon to Fri - English language service only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye irritation (Category 2), H319

Skin irritation (Category 2), H315

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements

H303 May be harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P261

Avoid breathing dust

P262

Do not get in eyes, on skin, or on clothing.

P280

Wear protective gloves/eye protection/face protection

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313

If eye irritation persists: Get medical advice.

P303 + P361 + P353

IF ON SKIN: Remove all contaminated clothing. Rinse skin with water.

Supplemental Hazard Statements: none

Alkali Neutralising Powder

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances

Formula: C₆H₈O₇
Molecular weight: 192.12 g/mol
CAS-No: 77-92-9
EC-No: 201-069-1
Index-No.

Hazardous ingredients according to Regulation (EC) No. 1272/2008

Component	Classification	Concentration
Citric Acid		
CAS-No: 77-92-9 EC-No: 201-069-1 Index-No.	Eye Irrit. 2; H319	<60-100%

For the full text of the H- statements and R Phrases mentioned in this section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice:

Consult a physician. Show this data sheet to the doctor in attendance.

Inhalation:

In case of inhalation of dust, remove to fresh air.

Skin contact:

Rinse with water. Remove and wash contaminated clothing before reuse.

Eye contact

Flush eyes with large amounts of water for 15 minutes. If irritation persists seek medical attention.

Ingestion

Give 2 glasses of water; and do not induce vomiting; seek immediate medical attention.

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

Skin Contact

May cause irritation.

Eye Contact

May cause severe irritation or burns to eyes.

Inhalation

Dust or solution mist may cause irritation to nose, throat and mucous membranes.

Ingestion

May cause gastrointestinal irritation.

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

No data available.

Alkali Neutralising Powder

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Non-flammable.

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for firefighters Protective actions during firefighting

Not applicable.

5.4. Further information

No data available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection, see section 8.

6.2. Environmental precautions Environmental precautions

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Pick up and arrange for disposal without creating dust. Sweep up and shovel. Keep in suitable closed containers for disposal.

6.4. Reference to other sections

For disposal see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage Class (TRGS 510): non Combustible Solids

7.3. Specific end use(s)

See section 1.2

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Components with workplace parameters

Contains no substances with occupational exposure limit values

8.2 Exposure controls Protective equipment



Appropriate engineering controls

Handle in accordance with good industrial hygiene & safety practice. Wash hands before breaks and at the end of the workday

Eye/face protection

Safety glasses with side shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).

Alkali Neutralising Powder

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact:

Material: Nitrile rubber; Minimum layer thickness: 0.11mm; Break through time: 480 min

Material Tested: Dermatril® (KCL740/Aldrich Z677272, size M.)

Splash contact:

Material: Nitrile rubber; Minimum layer thickness: 0.11mm; Break through time: 480 min

Material Tested: Dermatril® (KCL740/Aldrich Z677272, size M.)

Data source: KCL GmbH, D-36124 Eichenzell, 'phone +49 (0) 6659 87300, email: sales@kcl.de

Test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves.

The above statements are relevant to Citric Acid, however for use with the Guest Chemical Spills Kit the chemical resistant gloves supplied in the kit should be used.

Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Do not allow product to enter drains.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

a) Appearance Form:	powder
Colour:	light yellow
b) Odour:	No data available
c) Odour Threshold:	No data available
d) pH	2.2 at ca.50 g/l at 25 °C
e) Melting point/freezing point:	Melting point/range: 153 -159 °C
f) Initial boiling point:	No data available
g) Flash point:	No data available
h) Evaporation rate:	No data available
i) Flammability (solid, gas):	No data available
j) Upper/lower flammability or explosive limits:	No data available
k) Vapour pressure:	No data available
l) Vapour density:	No data available
m) Relative density:	No data available
n) Water solubility:	100 (% W/W)
o) Partition coefficient: noctanol/water:log Pow:	No data available
p) Auto-ignition temperature:	No data available
q) Decomposition temperature:	No data available
r) Viscosity:	No data available
s) Explosive properties:	No data available
t) Oxidizing properties:	No data available

9.2 Other safety information

No data available

Alkali Neutralising Powder**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reacts with alkali to produce neutral salts.

10.4. Conditions to avoid

Will react with alkaline materials, when wet it will react slowly with metals.

10.5. Incompatible materials

Hypochlorites.

10.6. Hazardous decomposition products

No data available. In the event of fire see section 5

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

LD50 Oral - Rat – 3 g/kg

Skin corrosion/irritation

May cause irritation

Serious eye damage/eye irritation

May cause severe irritation or burns to eyes

Respiratory or skin sensitisation

Dust or solution mist may cause irritation to nose, throat and mucous membranes.

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

SECTION 12: Ecological Information**Ecotoxicity.****12.1 Toxicity**

Toxicity to fish LC50 - *Leucisus idus melanotus* – 440-760 mg/l – 96h

Toxicity to daphnia and other aquatic invertebrates - *Daphnia magna* (Water flea) – 120 mg/l – 72h

12.2 Persistence and degradability

Biodegradable >95% 2 days.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

Alkali Neutralising Powder

SECTION 14: Transport information

14.1 UN number :	ADR/RID: -	IMDG: -	IATA: -
14.2 UN proper shipping name:	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
14.3 Transport hazard class(es):	ADR/RID: -	IMDG: -	IATA: -
14.4 Packaging group:	ADR/RID: -	IMDG: -	IATA: -
14.5 Environmental hazards:	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
14.6 Special precautions for user:	No data available		

SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Revision date	14.11.2017
Revision	3
Supersedes date	20.02.2016
SDS number	10515

Full text of H-Statements referred to under sections 2 and 3.

- H303 May be harmful if swallowed.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.