

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

1.1 Product identifier

Product form	Mixture
Trade name	Detan Coffee and Tannin Remover
Product group	Trade product
Product code	CCA0049

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

1.2.1 Relevant Identified uses

Main use category	Professional use
Function or use category	Washing and cleaning products (including solvent based products). A professional, chlorine based, tannin removal powder used in the catering industry which rapidly removes tea and coffee stains from porcelain and china mugs, cups, teapots / urns, coffee pots etc.

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Nexon Group SCM Ltd
Richmond House
Deepdale Enterprise Park
Deepdale Lane
Nettleham
Lincoln
LN2 2LL
Tel: +44 (0) 1522 500006
Email: info@nexongroup.co.uk

1.4 Emergency telephone number

+44 (0) 1522 500006

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Corr. 1B: H314
STOT SE 3; H335
EUH031.

2.2 Label elements

Hazard pictograms (CLP)



Signal Word (CLP)

Hazard Statements (CLP) damage.

Precautionary statements (CLP)

DANGER

EUH031: Contact with acids liberates toxic gas.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
P102 Keep out of reach of children.
P260 Do not breathe dust.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/ attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/ container in accordance with local regulations.

Supplemental label information EUH031 Contact with acids liberates toxic gas.

Contains DISODIUM METASILICATE, TROCLOSENE SODIUM, DIHYDRATE

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

EU Phrases

2.3 Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substance

3.2 Mixture

Common Name	CAS NO./EC No.	Classification	Conc (%)
SODIUM CARBONATE Reach No. 01-2119485498-XX	497-19-8 207-838-8	Eye Irrit. 2, H319	10-30
SODIUM TROCLOSENE DIHYDRATE	51580-86-0 220-767-7	51580-86-0 Acute Tox. 4; H302 220-767-7 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031	1 - 10
SODIUM SILICATE PENTAHYDRATE Reach No. 01-2119449811-XX	6834-92-0 229-912-9	Skin Corr. 1B; H314 STOT SE3, H335	1 - 10

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

Other hazards not contributing to the classification:

No presence of PBT and vPvB ingredients.

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information

Neat product may cause irritation to skin and eyes. Dilute chemical may result in mild irritation to skin. Contact of dilute chemical with eyes should still be treated as outlined above.

First-aid measures after inhalation

IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if you feel unwell.

First aid measures after skin contact

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention, and discontinue use of product.

First aid measures after eye contact

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

First aid measures after ingestion

Immediately call a doctor.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink plenty of water. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

Inhalation of powder dust may result in burns to the mouth, nose and respiratory tract. Inhalation of mists or vapours of diluted product may result in soreness, irritation or burns to the mouth, nose and respiratory tract. If mixed with acid products Chlorine Gas may be evolved, this can result in irritation to eyes and difficulty in breathing. If inhaled this may result in irritation to the mouth nose and respiratory tract.

Symptoms/injuries after skin contact

Irritating. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Eye contact May cause irritation to the eyes. May result in permanent eye damage.

Symptoms/injuries after eye contact

Symptoms/injuries after ingestion

Unlikely route of exposure without deliberate abuse. If neat chemical is ingested, irritation of the mouth, throat and GI tract may occur. If dilute chemical is ingested some soreness of the mouth, throat and GI tract may occur.

4.3 Indication of any immediate medical attention and special treatment needed

Rinse well with water to neutral pH. Check for abrasion to the surface of eyes.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards

This product is non-combustible, if solutions of dissolved material are heated, irritating vapours may be formed. Contact with acids will generate toxic chlorine gas. This product is a dry powder. Concentrated solutions formed by dissolution in water will react with soft metals (Aluminium, Zinc and their Alloys) to form Hydrogen Gas. In contact with acids the solutions will form chlorine Gas.

5.3 Advice for firefighters

Protective actions during firefighting Protective clothing and respiratory protection should be worn when tackling fires involving this product.

Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel Wear protective clothing as described in Section 8 of this safety data sheet.

6.1.2 For emergency responders

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid or minimise the creation of any environmental contamination.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4 Reference to other sections

See sections 8,12 & 13 SECTION

Section 7: Handling and storage

7.1 Precautions for safe handling

Usage precautions Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Read and follow manufacturer's recommendations.

7.2 Conditions for safe storage, including and incompatibilities

Storage precautions Store in tightly-closed, original container in a well-ventilated place. Store between -10 and +40 Degrees C. Store away from the following materials: Acids.

7.3 Specific end use(s)

Detergent, refer to use instructions.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Sodium Carbonate (CAS 497-19-8)

DNEL/PNEC Values

DNEL/DMEL (Workers)

Long-term - local effects, inhalation 10 mg/m³

DNEL/DMEL (General population)

Acute - local effects, inhalation 10 mg/m³

8.2 Exposure control

Materials for protective clothing

Hand protection

Eye protection

Skin and body protection

Respiratory protection

Wear gloves during direct contact and hand-washing.

Wear eye/face protection. Ensure eye bath is to hand.

Wear protective clothing

If dusts are created then a respiratory device with particle filter is recommended.

Ensure sufficient ventilation of the area.

Appropriate engineering controls

Environmental exposure controls

Do not allow the substance to contaminate surface water/ground water. See points 6, 12 &13.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

White powder

Colour

Not determined

Odour

Chlorine

Odour threshold

Not determined

pH

ca. 11-12

Relative evaporation rate (butylacetate=1)

Not determined

Melting point

Not determined

Freezing point

Not determined

Boiling point

Not determined

Flash point

Not combustible

Auto-ignition temperature

Not combustible

Decomposition temperature

Not determined

Flammability (solid, gas)

Not determined

Vapour pressure

Not determined

Relative vapour density at 20 °C

Not determined

Relative density

Not determined

Solubility

Not determined

Log Pow

Not determined

Viscosity, kinematic

Not determined

Viscosity, dynamic

Not determined

Explosive properties

Non-Explosive

Oxidising properties

Not determined

Explosive limits

Not determined

9.2 Other information

Section 10: Stability and reactivity

10.1 Reactivity

Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions. Highly concentrated solutions of this product in contact with soft metals such as Aluminium, Zinc and their alloys can produce Hydrogen Gas. Solutions of this product if mixed with acids may produce Toxic Chlorine Gas.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Heat.

Strong oxidising agents. Strong acids. Soft metals

Do not mix with other cleaning products unless advised to do so by a professional from the industry.

10.5 Incompatible materials

10.6 Hazardous decomposition products

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

May cause burns in mucous membranes, throat, oesophagus and stomach.

Acute inhalation

Dusts may irritate throat and respiratory system and cause coughing.

Acute Dermal Toxicity

Irritating/ damaging to skin

Skin corrosion/irritation

May cause chemical burns of the skin. Prolonged contact may cause tissue damage.

Serious eye damage/irritation

Causes burns. Risk of corneal damage. Visual disturbances including blurred vision.

Respiratory or skin sensitisation

Not expected to provoke a sensitisation reaction.

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Not data available.

Specific target organ toxicity (single exposure)

No data available

Specific target organ toxicity (repeated exposure)

No data available

Aspiration hazard

No data available

Section 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

Not biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation potential.

12.4 Mobility in soil

Not determined

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

Section 13: Disposal considerations

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation.

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC/648/2004 on detergents.

Section 14: Transport information

14.1 UN number

None

14.2 UN proper shipping name

none

14.3 Transport hazard class(es)

Not subject to ADR/IATA/IMDG/RID codes.

14.4 Packing group

None

14.5 Environmental hazards

None

14.6 Special precautions for user

None

Section 15: Regulatory information

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

15.1.1 EU-regulations: No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.1.2 National Regulations: No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

Section: Other information

Usage and handling instructions are not mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 2.2.

The full text of the H- and EUH-phrases indicated in this safety data sheet are as follows:

EUH031	Contact with acids liberates toxic gas
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Revision comments: Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)

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Revision: 2

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

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.