

**Caramel Acid Stain**

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name Caramel Acid Stain  
CAS No. Not applicable.  
EC No. Not applicable.  
REACH Registration No. Not known.

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

Identified Use(s) Non-metal-surface treatment products, colourant in concrete finishing  
Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet**

Manufacturer  
Company Identification Multicrete Products Limited  
Address of Manufacturer Units 1-2 Commerce Street  
Carrs Industrial Estate  
Haslingden  
Rossendale  
Lancashire  
Postal code BB4 5JT  
Telephone: 01706 212135  
Fax 01706 217642  
E-mail sales@multicreteproducts.co.uk  
Office hours 08.30-16.30  
Supplier

Company Identification Multicrete Products Limited  
Address of Supplier Units 1-2 Commerce Street  
Carrs Industrial Estate  
Haslingden  
Rossendale  
Lancashire  
Postal code BB4 5JT  
Telephone: 01706 212135  
Fax 01706 217642  
E-mail sales@multicreteproducts.co.uk  
Office hours 08.30-16.30

**1.4 Emergency telephone number**

Emergency Phone No. 01706 212135  
Contact Christopher Barrientos  
National response centre  
Address NHS Direct  
Emergency Phone No. +44 111

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567  
Acute Tox. 3 :Toxic if swallowed.  
Skin Corr. 1B :Causes severe skin burns and eye damage.  
Skin Sens. 1 :May cause an allergic skin reaction.  
Eye Dam. 1 :Causes serious eye damage.  
Acute Tox. 2 :Fatal if inhaled.  
Resp. Sens. 1 :May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
STOT SE 3 :May cause respiratory irritation.  
Muta. 1B :May cause genetic defects.  
Carc. 1B :May cause cancer.  
Repr. 1B :May damage fertility. May damage the unborn child.  
STOT RE 1 :Causes damage to organs through prolonged or repeated exposure.  
Aquatic Acute 1 :Very toxic to aquatic life.  
Aquatic Chronic 1 :Very toxic to aquatic life with long lasting effects.

**2.2 Label elements**

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

**Caramel Acid Stain**

Product Name

Caramel Acid Stain

Hazard Pictogram(s)



GHS06



GHS05



GHS08



GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H301: Toxic if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H330: Fatal if inhaled.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H340: May cause genetic defects.  
H350: May cause cancer.  
H360FD: May damage fertility. May damage the unborn child.  
H372: Causes damage to organs through prolonged or repeated exposure.  
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P201: Obtain special instructions before use.  
P260: Do not breathe vapour.  
P273: Avoid release to the environment.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

For full text of H/P Statements see section 16.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Iron trichloride	7705-08-0	231-729-4	30-50	Met. Corr. 1 H290 Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318	GHS05 GHS07
sodium dichromate	10588-01-9	234-190-3	10-30	Ox. Sol. 2 H272 Acute Tox. 3 H301 Acute Tox. 4 H312 Skin Corr. 1B H314 Skin Sens. 1 H317 Acute Tox. 2 H330 Resp. Sens. 1 H334 Muta. 1B H340 Carc. 1B H350 Repr. 1B H360FD STOT RE 1 H372	GHS03 GHS06 GHS05 GHS08 GHS07 GHS09

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				Aquatic Acute 1 H400 Aquatic Chronic 1 H410	
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For full text of H/P Statements see section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE/doctor.
Skin Contact	Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water. Immediately call a POISON CENTRE/doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

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

Toxic if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause genetic defects. May cause cancer. May damage fertility. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure.

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

IF exposed or concerned: Get medical advice/attention.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

**5.2 Special hazards arising from the substance or mixture**

May decompose in a fire, giving off toxic and irritant vapours.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Water spray should be used to cool containers.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

**6.2 Environmental precautions**

Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up**

Adsorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe vapour. Wear respiratory protection. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

**Caramel Acid Stain****7.2 Conditions for safe storage, including any incompatibilities**

Storage temperature	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Storage life	Ambient.
Incompatible materials	Stable under normal conditions.
	Strong oxidising agents, Strongly acidic.

**7.3 Specific end use(s)**

Non-metal-surface treatment products, colourant in concrete finishing

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****8.1.1 Occupational Exposure Limits**

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Chromium (VI) compounds (as Cr)	10588-01-9		0.01			Carc, Sen, BMGV
Chromium (VI) compounds (as Cr)	10588-01-9		0.025			Carc, Sen, BMGV, (r)

Region United Kingdom Source UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark Carc Capable of causing cancer and/or heritable genetic damage.  
Sen Capable of causing occupational asthma.  
BMGV Biological monitoring guidance values are listed in Table 2.  
(r) 'Process generated' refers to exposures to Chromium (VI) Compounds generated as a result of a work process, such as fumes from welding.

Biological Exposure Indices						
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Chromium VI	10588-01-9	10 µmol chromium/mol creatinine in urine	Post shift			

Remark Notes

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

**8.2.2. Personal protection equipment**

Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

Wear respiratory protection.



Thermal hazards

Not applicable.



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8.2.3. Environmental Exposure Controls Avoid release to the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	Liquid.
	Colour : Green -Brown.
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Soluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

Heat and direct sunlight.

**10.5 Incompatible materials**

Strong oxidising agents, Strongly acidic.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Calculation method : Toxic if swallowed. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 250.00000
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 3666.67000
Acute toxicity - Inhalation	Calculation method : Fatal if inhaled. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1.67000
Skin corrosion/irritation	Calculation method : Causes severe skin burns and eye damage.
Serious eye damage/irritation	Calculation method : Causes serious eye damage.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Calculation method : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	Calculation method : May cause genetic defects.

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Carcinogenicity  
Reproductive toxicity  
Lactation  
STOT - single exposure  
STOT - repeated exposure

Calculation method : May cause cancer.  
Calculation method : May damage fertility. May damage the unborn child.  
Calculation method : Not classified.  
Calculation method : May cause respiratory irritation.  
Calculation method : Causes damage to organs through prolonged or repeated exposure.  
Calculation method : Not classified.

Aspiration hazard

**11.2 Other information**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates  
Toxicity - Fish  
Toxicity - Algae  
Toxicity - Sediment Compartment  
Toxicity - Terrestrial Compartment

Very toxic to aquatic life with long lasting effects.  
Not known.  
Not known.  
Not known.  
Not classified.  
Not classified.

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

Insoluble in water. The product has high mobility in soil.

**12.5 Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**12.6 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of this material and its container as hazardous waste.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION****14.1 UN number**

UN No. 3264

**14.2 UN proper shipping name**

UN proper shipping name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: Iron trichloride, sodium dichromate)

**14.3 Transport hazard class(es)**

ADR/RID  
ADR/RID Class 8  
ADR Classification Code C1  
Special Provisions 274  
Limited Quantities 1 L  
Excepted Quantities E2  
Emergency Action Code 2X  
Mixed Packing Instructions for Packages P001 IBC02  
Special Packing Provisions for Packages  
Mixed Packing Instructions for Packages MP15  
Packing Instructions for Portable Tanks T11  
Special Provisions for Portable Tanks TP2 TP27  
Tank Code for Tanks L4BN  
Special Provisions for Tanks  
Vehicle for Tank Carriage AT  
ADR Transport Category 2  
Tunnel Restriction Code E

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Special Provisions for Carriage -

Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading,

Unloading and Handling

Special Provisions for Carriage -

Operation

ADR HIN 80

IMDG

IMDG Class 8

Special Provisions 274

Limited Quantities 1 L

Excepted Quantities E2

Mixed Packing Instructions for Packages P001 IBC02

Special Packing Provisions for Packages

Packing Instructions for Portable Tanks T11

Special Provisions for Portable Tanks TP2 TP27

IMDG EMS F-A, S-B

Stowage and Handling Category B SW2

Segregation SGG1 SG36 SG49

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: Iron trichloride, sodium dichromate)

Excepted Quantities E2

Passenger and Cargo Aircraft Limited Y840

Quantities Packing Instructions

Passenger and Cargo Aircraft Limited 0.5L

Quantities Max net Qty

Passenger and Cargo Aircraft Packing 851

Instructions

Passenger and Cargo Aircraft Max net Qty 1L

Cargo Aircraft Packing Instructions 855

Cargo Aircraft Max net Qty 30L

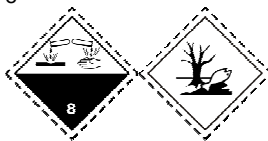
Special Provisions A3, A803

Emergency Response Guidebook (ERG) 8L

Code

Labels

Labels 8

**14.4 Packing group**

Packing group II

**14.5 Environmental hazards**

Environmental hazards Classified as a Marine Pollutant.

**14.6 Special precautions for user**

Special precautions for user Not known.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances sodium dichromate (10588-01-9)

of Very High Concern for Authorisation

UK REACH Authorisation List (Annex sodium dichromate (10588-01-9)

XIV) list of substances subject to

authorisation

UK REACH Restrictions List (Annex XIV) Not listed

Restrictions on the manufacture, placing

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on the market and use of certain dangerous substances, mixtures and articles

The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583)

The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use Community Rolling Action Plan (CoRAP)

**15.2 Chemical Safety Assessment**

United Kingdom

Not listed

Not listed

Not listed

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

1-16

**LEGEND**

Hazard Pictogram(s)



GHS06



GHS05



GHS08



GHS09

GHS03: GHS: Flame over circle

GHS07: GHS: Exclamation mark

Hazard classification

Ox. Sol. 2 : Oxidising solid, Category 2

Met. Corr. 1 : Substance or mixture corrosive to metals, Category 1

Acute Tox. 3 : Acute toxicity, Category 3

Acute Tox. 4 : Acute toxicity, Category 4

Acute Tox. 4 : Acute toxicity, Category 4

Skin Corr. 1B : Skin corrosion/irritation, Category 1B

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1 : Skin sensitization, Category 1

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Acute Tox. 2 : Acute toxicity, Category 2

Resp. Sens. 1 : Respiratory sensitization, Category 1

STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

Muta. 1B : Germ cell mutagenicity, Category 1B

Carc. 1B : Carcinogenicity, Category 1B

Repr. 1B : Reproductive toxicity, Category 1B

STOT RE 1 : Specific target organ toxicity — repeated exposure, Category 1

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Hazard Statement(s)

H272: May intensify fire; oxidiser.

H290: May be corrosive to metals.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.



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H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H330: Fatal if inhaled.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H340: May cause genetic defects.  
H350: May cause cancer.  
H360FD: May damage fertility. May damage the unborn child.  
H372: Causes damage to organs through prolonged or repeated exposure.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statement(s)**

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P260: Do not breathe vapour.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash hands and exposed skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P284: In case of inadequate ventilation wear respiratory protection.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
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.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P310: Immediately call a POISON CENTRE/doctor.  
P312: Call a POISON CENTRE/doctor if you feel unwell.  
P314: Get medical advice/attention if you feel unwell.  
P320: Specific treatment is urgent (see Medical Advice on this label).  
P321: Specific treatment (see Medical Advice on this label).  
P330: Rinse mouth.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P363: Wash contaminated clothing before reuse.  
P391: Collect spillage.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.  
P501: Dispose of contents in accordance with local, state or national legislation.

**Acronyms**

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE : Acute Toxicity Estimate  
CAS : Chemical Abstracts Service  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances



### Caramel Acid Stain

IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567  
data used to compile the SDS  
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