

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	Ebony Acid Stain
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.
1.2 Relevant identified uses of the sub	ostance 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	y 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 IDENTIFICATIO	N1

SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and	
UK SI 2020/1567	Skin Corr. 1B :Causes severe skin burns and eye damage. Skin Sens. 1 :May cause an allergic skin reaction.
	Eve Dam. 1 :Causes serious eve damage.
	Acute Tox, 3 :Toxic 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 Chronic 2 :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
Product Name	Ebony Acid Stain
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Hazard Pictogram(s)	GHS06 GHS05 GHS08 GHS08				
Signal Word(s)	Danger				
Hazard Statement(s)	<ul> <li>H301: Toxic if swallowed.</li> <li>H314: Causes severe skin burns and eye damage.</li> <li>H317: May cause an allergic skin reaction.</li> <li>H331: Toxic if inhaled.</li> <li>H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H350: May cause cancer.</li> <li>H360FD: May damage fertility. May damage the unborn child.</li> <li>H372: Causes damage to organs through prolonged or repeated exposure.</li> <li>H411: Toxic to aquatic life with long lasting effects.</li> </ul>				
Precautionary Statement(s)	<ul> <li>P201: Obtain special instructions before use.</li> <li>P260: Do not breathe vapour.</li> <li>P273: Avoid release to the environment.</li> <li>P280: Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</li> <li>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> </ul>				
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)		Hazard Statement(s)	Hazard Pictogram(s)
manganese dichloride	7773-01-5	231-869-6	10-30	Acute Tox. 3 H301 Eye Dam. 1 H318 STOT RE 2 H373	GHS06 GHS05 GHS08
sodium dichromate	10588-01-9	234-190-3	1-10	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 H350 STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS03 GHS06 GHS05 GHS08 GHS07 GHS09



hydrochloric acid %	231-595-7	-	 GHS05 GHS07

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
Skin Contact	POISON CENTRE/doctor.
Skir 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.
4.2 Most important symptoms and eff	
	Toxic if swallowed. Causes severe skin burns and eye damage. May cause an
	allergic skin reaction. Toxic 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 media	cal attention and special treatment needed
	Immediately call a POISON CENTRE/doctor.
SECTION 5: FIREFIGHTING MEASURE	
SECTION 5. FILLE INTERIOR	5
5.1 Extinguishing media	
Suitable Extinguishing media	As appropriate for surrounding fire. Water spray should be used to cool containers.
Unsuitable extinguishing media 5.2 Special hazards arising from the s	None.
5.2 Special hazards ansing from the s	May decompose in a fire giving off toxic fumes.
5.3 Advice for firefighters	
o.o Advice for menginers	Fire fighters should wear complete protective clothing including self-contained
	breathing apparatus. Dike fire control water for later disposal.
SECTION 6: ACCIDENTAL RELEASE M	
SECTION 6: ACCIDENTAL RELEASE N	EASURES
6.1 Personal precautions, protective e	equipment and emergency procedures
	Provide adequate ventilation. Ensure full personal protection (including respiratory
	protection) during removal of spillages. Do not breathe vapour. Wear protective
	gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.
6.2 Environmental precautions	Skir horougnly alter handling.
0.2 Environmental precations	Avoid release to the environment.
6.3 Methods and material for containr	
	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 STORAG	<b>-</b>
SECTION 7. HANDLING AND STORAG	

# 7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities



Storage temperature Storage life Incompatible materials 7.3 Specific end use(s) Store locked up. Store in a well-ventilated place. Keep container tightly closed. Ambient. Stable under normal conditions. Strong oxidising agents, Acids. 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/m³)	STEL (ppm)	STEL (mg/m³)	Note
Manganese and its inorganic compounds (as Mn) - Inhalable fraction	7773-01-5		0.2			
Manganese and its inorganic compounds (as Mn) - Respirable fraction	7773-01-5		0.05			
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
 Notes

 Carac
 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 Ex	posure Indic	es				
Substances	-	Sampling	Tissues	-		Comments
	Number			parameters	guidance value	
Chromium	10588-01-9	10 µmol chromium/mol creatinine	Post			
VI		in urine	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.





Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Thermal hazards

# 9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Dark Red .
Odour	Odourless.
Odour threshold	Not known.
рH	<2
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 known.
Upper/lower flammability or explosive	Not known.
limits	
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 reaction	
	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, Acids.
10.6 Hazardous decomposition produ	cts
	No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological eff	fects
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 -
	11000.00000
Acute toxicity - Inhalation	Calculation method : Toxic if inhaled.
	Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 5.00000
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.
Carcinogenicity	Calculation method : May cause cancer.
Reproductive toxicity	Calculation method : May damage fertility. May damage the unborn child.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : May cause respiratory irritation.
STOT - repeated exposure	Calculation method : Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard 11.2 Other information	Calculation method : Not classified.
	Not known.

#### SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
	Toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.
12.2 Persistence and degradability	
· · · · · · · · · · · · · · · · · · ·	Biodegradable.
12.2 Bissesumulative notential	
12.3 Bioaccumulative potential	
	The product has no potential for bioaccumulation.
12.4 Mobility in soil	
	Soluble in water. The product is predicted to have high mobility in soil.
12.5 Results of PBT and vPvB assess	ment
	Not classified as PBT or vPvB.
12.6 Other adverse effects	
	Not known.
OFOTION 10 DIODOONL CONCIDEDAT	
SECTION 13: DISPOSAL CONSIDERAT	IONS
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 INFORMAT	
SECTION 14: TRANSPORT INFORMAT	
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SECTION 14: TRANSPORT INFORMAT 14.1 UN number UN No. 14.2 UN proper shipping name	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese
<b>SECTION 14: TRANSPORT INFORMAT</b> <b>14.1 UN number</b> UN No. <b>14.2 UN proper shipping name</b> UN proper shipping name	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese
SECTION 14: TRANSPORT INFORMAT 14.1 UN number UN No. 14.2 UN proper shipping name UN proper shipping name 14.3 Transport hazard class(es) ADR/RID	ON 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid
<ul> <li>SECTION 14: TRANSPORT INFORMAT</li> <li>14.1 UN number UN No.</li> <li>14.2 UN proper shipping name UN proper shipping name</li> <li>14.3 Transport hazard class(es) ADR/RID ADR/RID Class</li> </ul>	ON 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8
SECTION 14: TRANSPORT INFORMAT         14.1 UN number         UN No.         14.2 UN proper shipping name         UN proper shipping name         14.3 Transport hazard class(es)         ADR/RID         ADR/RID Class         ADR Classification Code	ON 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8 C1
<ul> <li>SECTION 14: TRANSPORT INFORMAT</li> <li>14.1 UN number UN No.</li> <li>14.2 UN proper shipping name UN proper shipping name</li> <li>14.3 Transport hazard class(es) ADR/RID ADR/RID ADR/RID Class ADR Classification Code Special Provisions</li> </ul>	ON 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8 C1 274
SECTION 14: TRANSPORT INFORMAT         14.1 UN number         UN No.         14.2 UN proper shipping name         UN proper shipping name         14.3 Transport hazard class(es)         ADR/RID         ADR/RID Class         ADR Classification Code         Special Provisions         Limited Quantities	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8 C1 274 1 L
<ul> <li>SECTION 14: TRANSPORT INFORMAT</li> <li>14.1 UN number UN No.</li> <li>14.2 UN proper shipping name UN proper shipping name</li> <li>14.3 Transport hazard class(es) ADR/RID ADR/RID ADR/RID Class ADR Classification Code Special Provisions Limited Quantities Excepted Quantities</li> </ul>	ON 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8 C1 274 1 L E2
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SECTION 14: TRANSPORT INFORMAT         14.1 UN number UN No.         14.2 UN proper shipping name         UN proper shipping name         14.3 Transport hazard class(es)         ADR/RID         ADR/RID         ADR/RID         ADR/RID         ADR/RID         Special Provisions         Limited Quantities         Excepted Quantities         Emergency Action Code         Mixed Packing Instructions for Packages	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8 C1 274 1 L E2 2X P001 IBC02
<ul> <li>SECTION 14: TRANSPORT INFORMAT</li> <li>14.1 UN number UN No.</li> <li>14.2 UN proper shipping name UN proper shipping name</li> <li>14.3 Transport hazard class(es) ADR/RID ADR/RID</li> <li>ADR/RID Class ADR Classification Code Special Provisions Limited Quantities</li> <li>Excepted Quantities</li> <li>Excepted Quantities</li> <li>Emergency Action Code</li> <li>Mixed Packing Instructions for Packages</li> <li>Special Packing Provisions for Packages</li> </ul>	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8 C1 274 1 L E2 2X P001 IBC02
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SECTION 14: TRANSPORT INFORMAT         14.1 UN number UN No.         14.2 UN proper shipping name         UN proper shipping name         14.3 Transport hazard class(es)         ADR/RID         ADR/RID         ADR/RID         ADR/RID         ADR/RID         ADR/RID         Special Provisions         Limited Quantities         Excepted Quantities         Emergency Action Code         Mixed Packing Instructions for Packages         Special Packing Provisions for Packages         Mixed Packing Instructions for Packages	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese dichloride, sodium dichromate, Hydrochloric acid 8 C1 274 1 L E2 2X P001 IBC02 MP15

Tank Code for Tanks

L4BN



Special Provisions for Tanks Vehicle for Tanks Carriage AT ADR Transport Category 2 Tunnel Restriction Code E Special Provisions for Carriage - Bulk Special Provisions for Carriage - Loading, Unloading and Handing Special Provisions for Carriage - Loading, Unloading and Handing Special Provisions for Carriage - Code MIDG Class ADR HIN 8 O Partial DATE Provisions for Carriage - Code MIDG Class Special Provisions for Packages Packing Instructions for Packages Packing Instructions for Packages Packing Instructions for Packages Packing Instructions for Packages Special Provisions for Packages Packing Instructions for Packages CARPOSIVE LIOUID, ACIDIC, INORGANIC, N.O.S. (Contains: manganese clichloride, socium dichromate, Hydrochloric acid) Excepted Quantities		
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Special precautions for user Not known.		Classified as a Marine Pollutant.

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) Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Hydrochloric acid
The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended	Not listed
The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583)	Not listed
The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals SI2008/2108 as amended	Not listed
European Regulations - Authorisations a Community Rolling Action Plan (CoRAP)	
15.2 Chemical Safety Assessment United Kingdom	A REACH chemical safety assessment has not been carried out.
SECTION 16: OTHER INFORMATION	

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s) GHS06 GHS05 GHS09 GHS03: GHS: Flame over circle GHS07: GHS: Exclamation mark Hazard classification Ox. Sol. 2 : Oxidising solid, Category 2 Acute Tox. 3 : Acute toxicity, Category 3 Acute Tox. 4 : Acute toxicity, Category 4 Skin Corr. 1B : Skin corrosion/irritation, Category 1B Skin Sens. 1 : Skin sensitization, Category 1 Eye Dam. 1 : Serious eye damage/irritation, Category 1 Acute Tox. 2 : Acute toxicity, Category 2 Acute Tox. 3 : Acute toxicity, Category 3 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 STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

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Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Hazard Statement(s)

H272: May intensify fire; oxidiser. H301: Toxic if swallowed. H312: Harmful in contact with skin.



	H314: Causes severe skin burns and eye damage.
	H317: May cause an allergic skin reaction.
	H318: Causes serious eye damage. H330: Fatal if inhaled.
	H331: Toxic 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.
	H373: May cause damage to organs through prolonged or repeated exposure.
	H400: Very toxic to aquatic life.
	H410: Very toxic to aquatic life with long lasting effects.
	H411: 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 vapours.
	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.
	P311: Call a POISON CENTRE/doctor.
	P312: Call a POISON CENTRE/doctor if you feel unwell.
	P314: Get medical advice/attention if you feel unwell.
	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 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 data used to compile the SDS Disclaimers

Key literature references and sources for GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

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