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

1.1. Product identifier

Product name: DRAINEX ULTRA

Product code: DU03

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

Use of substance / mixture: SU 3: Industrial Uses SU 22. Professional Uses PC35: Washing and cleaning products
(including solvent based products). cleaner for use in drains

1.3. Details of the supplier of the safety data sheet

Company name: Aquashield Solutions

Arnhall Business Park,
Prospect Road,
Westhill, Aberdeenshire,
AB32 6FJ
Tel: 0800 246 5656
Email: info@aquashieldsolutions.co.uk
Web: www.aquashieldsolutions.co.uk

1.4. Emergency telephone number

Emergency tel: 0800 246 5656

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: 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.

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P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water.

P363: Wash contaminated clothing before reuse.

2.3. Other hazards

Other hazards:Hygroscopic: readily absorbs water from air.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SULPHURIC ACID - REACH registered number(s): 01-2119458838-20-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-639-5	7664-93-9	-	Skin Corr. 1A: H314	>90%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact:Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact:Make sure to remove any contact lenses from the eyes before rinsing. Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion:Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If swallowed,do not induce vomiting: transport to nearest medical facility for additional treatment. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation:Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact:Irritation or pain may occur at the site of contact. Blistering may occur. Severe burns may occur.

Eye contact:There may be irritation and redness. The eyes may water profusely. Corneal burns may occur.

Ingestion:There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.

Inhalation:Exposure may cause coughing or wheezing.

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

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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: Not combustible - use extinguisher suitable for the cause of the fire. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes of sulphur oxides.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into granules or other sorbent compound. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Only add product slowly TO larger amounts of water - releases heat on contact with water. Adding water to product is liable to cause dangerous spitting and fuming.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

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7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

SULPHURIC ACID...100%

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.05 mg/m ³	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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

Respiratory protection: Respiratory protection not required.

Hand protection: Gloves (acid resistant).

Eye protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin protection: Wear appropriate clothing to prevent any possibility of liquid contact.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale orange

Odour: Barely perceptible odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Highly soluble

Viscosity: Non-viscous

Boiling point/range°C: 190

Relative density: 1.8 @ 20C

pH: <1

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

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10.2. Chemical stability

Chemical stability: Stable under normal conditions. Keep containers closed - product in opened containers will absorb water from the atmosphere.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Hot surfaces. Moist air.

10.5. Incompatible materials

Materials to avoid: Bases. Finely powdered metals. Aluminium. Zinc. Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of sulphur oxides. Reaction with certain metals may release flammable/explosive hydrogen gas. Reaction with certain metals may release choking sulphur dioxide/ sulphur trioxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

SULPHURIC ACID...100%

ORL	RAT	LD50	2140 mg/kg
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Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Irritation or pain may occur at the site of contact. Blistering may occur. Severe burns may occur.

Eye contact: There may be irritation and redness. The eyes may water profusely. Corneal burns may occur.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Exposure may cause coughing or wheezing.

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

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Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Acidity may eventually be neutralised by natural alkalinity/buffering.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Release to small bodies of water is dangerous to aquatic organisms due to reduced pH.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Recycling/reclamation of other inorganic materials.

Disposal of packaging: Arrange for collection by specialised disposal company.

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

Section 14: Transport information

14.1. UN number

UN number: UN1830

14.2. UN proper shipping name

Shipping name: SULPHURIC ACID

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

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14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: No individual Chemical Safety Assessment is required to be carried out for this product because (1) it is classified as a Mixture in REACH and (2) all listed Uses are also listed in the Identified Uses of all of the ingredients. All suitable Control Measures and Risk Management Measures are discussed in relevant Sections of the SDS.

Section 16: Other information

Other information

Other information: NOTICE: The information in this document includes aspects of Intellectual Property belonging to Aquashield Solutions

Such information is confidential to Aquashield Solutions and is supplied only to permit you to carry out evaluations and statutory assessments required to progress any project(s) which have been under discussion.

This information must be held by you in strictest confidence and must not be disclosed or distributed to any external person, company or organisation without our express permission in writing.

This information can only be distributed among employees of your business who need to use the information in fulfilment of the foregoing purpose and on the strict basis that such employees will hold the information in strictest confidence.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Classification has been carried out in compliance with Regulation (EC) No. 1272/2008 (The CLP Regulation).

Phrases used in s.2 and s.3: H314: Causes severe skin burns and eye damage.

Legal disclaimer: Should this product be used other than as described in our labelling or marketing information, it is the user's responsibility to assure himself of the applicability and safety of the product for the intended use. The information given in this document is the result of our best researches and is believed by us to be correct but it cannot purport to be all inclusive. It is intended to be used only as a guide and cannot absolve the user from responsibility to carry out his own investigations in the process of formulating risk assessments. This company shall not be held liable for any damage resulting from handling or from contact with the above product when our supplied information,

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guidelines or advice have not been taken fully into account. In such cases it is the complainer's responsibility to prove that he did do so. This company also cannot be held liable for damage arising due to effects which had not been discovered or were otherwise outwith our reasonable ability to determine at the time that they occurred.