

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

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Date of issue: 01.01.14

Replaces version of: 01.01.13

PRODUCT NAME: DRAIN UNBLOCKER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Arc Drain Unblocker

Product No. DRUB002

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

Identified uses: Drain Opener. Do not use for any other function.

1.3. Details of the supplier of the safety data sheet

Supplier Arc Building Products
IDA Bus. & Tech. Park, Arklow, Co. Wicklow
Tel: +353 (0)402 32370
Email: sales@arcbuildingproducts.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008 H290/314.

Human health: Causes severe skin burns and eye damage.

Environment: This product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

2.2. Label elements

Detergent Labelling: Contains SULPHURIC ACID 96%

Labelling



DANGER

Hazard Statements	H314	Causes severe skin burns and eye damage
	H290	May be corrosive to metals.
Precautionary Statements	P102	Keep out of the reach of children
	P260	Do not breathe dust/fume/gas/mist/vapours/spray
	P264	Wash hands thoroughly after handling
	P280	Wear protective gloves/protective clothing/eye protection/face protection
	P301, 330	IF SWALLOWED: Rinse out mouth immediately with water
	331	Do not induce vomiting. Immediately call a poison centre or doctor/physician.
	P303, 361	IF ON SKIN: Remove immediately contaminated clothing &
	353	rinse skin thoroughly/shower with soap & water. Immediately call a poison centre or doctor/physician.
	P363	Wash contaminated clothing before reuse
	P304, 340	IF INHALED: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.

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P305, 351 338	IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.
P405	Store locked up
P501	Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible

2.3. Other hazards: Reacts violently with water.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SULPHURIC ACID	96%
CAS-No.: 7664-93-9	EC No.: 231-639-5
Classification (EC 1272/2008) Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35

A Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove immediately from source to fresh air. Obtain medical attention.
Skin Contact:	Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention.
Eye Contact:	Flush eyes with water immediately. Obtain medical attention.
Ingestion:	Rinse out mouth immediately with water. Obtain medical attention.
Protection of first aider:	Avoid contact with skin and eyes (see Section 8.)

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

Inhalation:	Spray mists may cause respiratory tract irritation. Prolonged inhalation may cause damage to the upper respiratory tract and cause irritation of the mucous membranes of the nose.
Ingestion:	Ingestion causes severe damage to the mucous membranes or deeper tissue of the mouth, throat, oesophagus and stomach.
Skin contact:	Causes severe burns.
Eye contact:	Causes severe burns. Risk of serious damage to eyes

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	Water, Foam.
5.2 Unsuitable:	Water jet
5.3 Specific Hazards:	May generate toxic and explosive fumes in a fire.
5.4 Special Equipment for the protection of Fire Fighters:	Fire fighters should wear self-contained breathing apparatus & body protective clothing.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

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| 6.1 | Personal Precautions: | Provide adequate ventilation & avoid contact with skin and eyes (see Section 8.) |
| 6.2 | Environmental Precautions: | If size of spillage warrants and has contaminated water courses, drains or vegetation advise the appropriate authorities. Evacuate the area. |
| 6.3 | Methods for Cleaning up: | Small Spills - Flush with water.
Large Spills - Contain and collect spillage and absorb to inert, damp non-combustible material then flush area with water. Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority |

SECTION 7: HANDLING AND STORAGE

7.1 Handling

- | | |
|-----------------------|--|
| Technical Measures: | No special measures required. |
| Safe Handling Advice: | Avoid inhalation & contact with eyes and skin. Comply with instructions for use. |

7.2 Storage

- | | |
|------------------------|---|
| Technical Measures: | No special measures required. |
| Storage Conditions: | Store in a locked cool dry place away from sunlight and out of reach of children (See section 10) |
| Incompatible Products: | Contact with concentrated hydrochloric acid will liberate irritating fumes of hydrogen chloride gas. Reactions with concentrated alkalis generate much heat. Never add water to this product. Liberates carbon dioxide from carbonates and bicarbonates. Avoid contact with oxidising agents. Corrosive to most metals such as Aluminium, brass, tin & zinc are readily attacked by this product. |
| Packaging: | Plastic Drums. |
| Packaging Materials: | Recommended: Plastic Materials, Polyethylene, Polypropylene.
Not Suitable - Uncoated Metal Drums. |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15 minute reference period)		Notes
		ppm	mg/m3	ppm	mg/m3	
SULPHURIC ACID	OELV	0.5	-	-	-	IOELV

OELV = Occupational Exposure Limit Value.

8.2 Personal Protection Equipment:



Respiratory Protection:



Hand Protection:



Eye Protection:



Skin Protection:

In areas of confined space use respiratory equipment with combination filter (type E2/P2)

Use Chemical Resistant Gauntlet type Gloves to EN Standard 374 Level 1, Letter Code K

Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher

Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher & rubber footwear.

8.3 Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State:	Clear Oily Liquid.
Colour:	Colourless/Yellow/Brown
Odour:	Slightly pungent
Solubility:	Soluble in Water.
Flashpoint:	Not Determined
Explosive Properties:	Not Determined
pH:	1
Density:	1.80kg/dm3

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SECTION 10: STABILITY AND REACTIVITY

<u>10.1. Reactivity:</u>	Reacts violently with water.
<u>10.2. Chemical stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3. Possibility of hazardous reactions:</u>	Contact with concentrated hydrochloric acid will liberate irritating fumes of hydrogen chloride gas. Reactions with concentrated alkalis generate much heat. Liberates carbon dioxide from carbonates and bicarbonates
<u>10.4. Conditions to avoid:</u>	Avoid Extreme Temperatures. Avoid contact with alkalis & oxidising agents.
<u>10.5. Incompatible materials:</u>	Alkalis & Oxidizing agents. Aluminium, brass, tin & zinc produces hydrogen.
<u>10.6. Hazardous decomposition products:</u>	Explosive gases/vapours/fumes of: Hydrogen, SO ₂

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation:	Spray mists may cause respiratory tract irritation. Prolonged inhalation may cause damage to the upper respiratory tract and cause irritation of the mucous membranes of the nose.
Ingestion:	Ingestion causes hematemesis, oesophageal and gastric perforation severe damage to the mucous membranes or deeper tissue of the mouth, throat, oesophagus and stomach.
Skin contact:	Corrosive to the skin, causes severe burns.
Eye contact:	Causes severe burns. Risk of serious damage to eyes

11.2. Toxicological information on ingredients:

SULPHURIC ACID (CAS: 7664-93-9)

Acute toxicity:

Acute Toxicity (Oral LD₅₀)
2440 mg/kg Rat
IUCLID chemical data sheet.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

Large amounts of this product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms

12.1. Toxicity

Ecological information on ingredients:

SULPHURIC ACID (CAS: 7664-93-9)

Acute Toxicity - Fish
LC₅₀ 96 hours 100 mg/l
IUCLID chemical data sheet.
Acute Toxicity - Algae
EC₅₀ 72 hours 24 mg/l (Seleastrum Capricornutum)
IUCLID chemical data sheet.

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12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation 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.

12.3. Bioaccumulative potential

No evidence of bioaccumulation or tainting of seafood

12.4. Mobility in soil

Mobility: The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Pollute earth and water.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Waste to be treated as hazardous waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS

CLASS

RID/ADR:

8/80

ICAO/IATA-DGR:

8 UN 1830

GGVSee/IMDG-Code:

8 / 1830

14.1. UN number

UN 1830

14.2. UN proper shipping name

Sulphuric Acid 96%

14.3. Transport hazard class(es)

8

14.4. Packing Group

II

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: Yes

14.6. Special precautions for user

NA

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A

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SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.
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Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

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 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

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Risk Phrases In Full

R35 Causes Severe burns.

Hazard Statements In Full

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.