

Revision 3

Supersedes date 15-July-2014

SAFETY DATA SHEET

DOUGLAS PROFESSIONAL INSTANT DRAIN CLEANER**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier

Product name Instant Drain Cleaner

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

Identified uses Toilet and Drain Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier Curust Industries Ltd
 E12/13, Southern Cross Business Park
 Boghall Rd., Bray,
 Co. Wicklow
 Tel (01) 2760800, Fax (01) 2760799
 E-Mail: sales@curust.ie

Emergency Helpline (01) 8092166

SECTION 2: HAZARDS IDENTIFICATION2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical	Not classified.
Hazards	
Human health	Skin Corr. 1A - H314
Environment	Not classified.
Classification (1999/45/EEC)	C;R35.

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

2.2. Label elements

Contains sulfuric acid

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary Statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

P301A+P310A+P331 IF SWALLOWED: Immediately call a doctor/physician. Do NOT induce vomiting.

P303+P361+P350 If ON SKIN: Remove/Take off immediately all contaminated clothing. Gently wash with soap and water.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P260 Do not breathe vapour/spray.

P264 Wash contaminated skin thoroughly after handling.

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

sulfuric acid		70 - 97%
CAS-No.: 7664-93-9	EC No.: 231-639-5	Registration Number: 01-2119458838-20-XXXX
Classification (EC 1272/2008) Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35.	

The 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****General information**

Contact with eyes can cause redness, severe irritation and pain. Corneal burns may occur and eyes may be permanently damaged.

Symptoms of inhalation include tightness of chest and shortness of breath. Exposure may cause coughing and wheezing. Congestion of the lungs and loss of consciousness can occur. Remove victim immediately from source of exposure. Get immediate medical attention. Move injured person into fresh air and keep person calm under observation. If necessary, seek hospital and bring these instructions.

Ingestion may cause soreness and redness of the throat. The patient may have difficulty swallowing and corrosive burns may appear around the lips with nausea and stomach pain. Vomiting may occur.

Poisoning can cause shock, unconsciousness and convulsions and may even prove fatal. Immediately rinse mouth and drink copious amounts of water to dilute the swallowed chemical. Keep the patient under observation. Do not induce vomiting. If vomiting occurs keep head low.

Transport patient to hospital immediately and take these instructions.

Skin contact

Remove affected person from source of contamination. Irritation or pain may occur at the site of skin contact, accompanied by blistering and severe burning. Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin.

Get medical attention if irritation persists or develops.

Launder clothing and clean shoes thoroughly before reuse.

Eye contact

Contact with eyes can cause redness, severe irritation and pain. Corneal burns may occur and eyes may be permanently damaged. Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get immediate medical attention.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Cool containers exposed to fire with water spray. Do not use high pressure water jet as this may spread burning material.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Corrosive gases/vapours/fumes of: Oxides of sulfur (SO₂, SO₃)

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing (see Section 8). Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Keep unnecessary people at a safe distance.

6.2. Environmental precautions

Do not allow ANY environmental contamination. Prevent discharge into drains, watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

DO NOT TOUCH SPILLED MATERIAL! Neutralise spilled material with crushed limestone, soda ash or lime. Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Provide good ventilation. Minimise all forms of skin contact. Overalls and footwear with oil and chemical resistant soles should be worn. Launder overalls and undergarments regularly. Never add water to this product as heat will be generated and product may 'spit'. Always add this product to water.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Keep in original container.

Avoid contact with water.

Stored containers should be routinely inspected for damage and/or leakage.

Storage Class

Corrosive storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
sulfuric acid	WEL		0,05 mg/m ³			

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

sulfuric acid (CAS: 7664-93-9)

DNEL

Industry	Inhalation.	Short Term	Local Effects	0.1 mg/m ³
Industry	Inhalation.	Long Term	Local Effects	0.05 mg/m ³

PNEC

Freshwater	0.0025	mg/l
Marinewater	0.00025	mg/l
Water	8.8	mg/l
Sediment (Freshwater)	0.002	mg/kg
Sediment (Marinewater)	0.0002	mg/kg

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection

Use suitable protective gloves if risk of skin contact. Wear suitable protective gloves conforming to EN 374.

The actual level of protection provided by protective gloves can be difficult to assess. Effective breakthrough times should be used with care and a margin of safety should be applied. The UK HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests.

Seek advice from the manufacturer or supplier.

Personal hygiene is a major factor in effective hand care. Gloves should only be worn on clean hands. After using gloves, hands should be washed and thoroughly dried and a non-perfumed moisturiser applied.

Eye protection

If risk of splashing, wear safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated.

When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless. to Brown.
Odour	Mild.
Solubility	Miscible in all proportions. Soluble in: alcohol
Initial boiling point and boiling range (°C)	
	~200° C @ 80% H ₂ SO ₄
Relative density	~1.69 @ 77% H ₂ SO ₄
pH-Value, Conc. Solution	<1

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Reacts violently with water with the evolution of heat. Avoid oxidising agents, reducing agents, strong bases and organic materials. Contact with combustible materials may cause fire.

10.6. Hazardous decomposition products

Fire or high temperatures create: Sulphurous gases (SO_x).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

> 2140 mg/kg (oral rat)

Acute toxicity:

Acute Toxicity (Oral LD50) 2140

mg/kg Rat

General information

Corrosive to all living tissue. Danger of very serious irreversible effects if swallowed - for symptoms see section 4.

Inhalation

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion

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

Skin contact

May cause serious chemical burns to the skin.

Eye contact

Causes burns. Risk of corneal damage.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

This mixture (preparation) is readily biodegradable and is not expected to be hazardous to the environment.

12.1. Toxicity

Acute Fish Toxicity

Discharge of large quantities may kill fish and other aquatic life due to excessive changes in pH.

LC 50, 96 Hrs, Fish mg/l 42

EC 50, 48 Hrs, Daphnia, mg/l 29

12.2. Persistence and degradability

Degradability

Biodegradable. Discharge of large amounts causes changes in pH which may affect effluent and sewage treatment processes.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:

The product is soluble in water. The product is non-volatile.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Product is intended for household use. Small quantities may be disposed of by emptying into the drain whilst carefully flushing away with running water. Larger quantities should be disposed of in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1830

14.2. UN proper shipping name

Proper Shipping Name Sulphuric Acid

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 8: Corrosive substances.

ADR Label No. 8

Transport Labels



14.4. Packing group

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

Emergency Action Code 2P

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

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH) Refer to Revised guidance 6th Edition 2013 <http://www.hse.gov.uk/pubns/priced/l15.pdf>

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance. Fifth Edition 2005. HSE Books, or download at <http://www.hse.gov.uk/pubns/priced/l15.pdf>

Guidance Notes

Workplace Exposure Limits EH40. CHIP

for everyone HSG(108).

EU Legislation

EC Regulation 1907/2006 (as amended) : 'REACH'.

Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Comments New

format SDS.

CLP/GHS information added.

Revision Date 20/08/2014

Revision 3

Supersedes date 15-July-2014

SDS No. 10077

Date 17-Apr-08

Risk Phrases In Full

R35

Hazard Statements In Full H314

Causes severe burns.

Causes severe skin burns and eye damage.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.