

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

1.1. Product identifier

Product name **SELSCALE**
 Product No. **H006**

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

Identified uses **Acidic descaling agent**

1.3. Details of the supplier of the safety data sheet

Selden Research Limited t : 01298 26226
 Staden Lane f : 01298 26540
 Ashbourne Road
 Buxton e : safety@selden.co.uk
 Derbyshire
 SK17 9RZ
 United Kingdom

1.4. Emergency telephone number

01298 26226

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (67/548/EEC) C;R34.

2.2. Label elements

Contains **HYDROCHLORIC ACID**
 Detergent Labelling: **< 5% non-ionic surfactants**

Labelling



Corrosive (C)

Risk Phrases **R34 Causes burns.**
 Safety Phrases **S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S45 In case of accident or if you feel unwell
 Seek medical advice immediately (show label where possible).
 S2 Keep out of the reach of children.
 S23 Do not breathe vapour/spray.**

2.3. Other hazards

No other hazards known., This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not Applicable

3.2. Mixtures

Alcoholic Ethoxylate	1-5%
CAS-No.: 160901-19-9	EEC (EINECS) No.
Classification (EC 1272/2008)	Classification (67/548/EEC)

Acute toxicity, category 4 - Oral - H302	Xn;R22
Serious eye damage, category 1 - H318	Xi;R41
HYDROCHLORIC ACID	10-30%
CAS-No.: 7647-01-0	EEC (EINECS) No. 231-595-7
Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin corrosion, categories 1A, 1B, 1C - H314	C;R34
STOT***, single exposure, category 3 - Respiratory track irritation - H335	Xi;R37

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

Inhalation	Move the exposed person to fresh air at once., Rinse nose and mouth with water., Get medical attention if any discomfort continues.
Ingestion	Remove victim immediately from source of exposure., DO NOT INDUCE VOMITING!, Rinse mouth thoroughly., Drink plenty of water., Get medical attention.
Skin contact	Remove affected person from source of contamination., Remove contaminated clothing., Rinse the skin immediately with lots of water., Continue to rinse for at least 15 minutes., Get medical attention if irritation persists after washing.
Eye contact	Important! Immediately rinse with water for at least 15 minutes., Hold eyelids apart., Get medical attention immediately. Continue to rinse.

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

Inhalation	May cause irritation to the respiratory system.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	Strongly irritating. Prolonged contact may cause burns.
Eye contact	Risk of serious damage to eyes.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media	This product is not flammable., Use fire-extinguishing media appropriate for surrounding materials., Use:, Dry chemicals, sand, dolomite etc., Foam., Water spray.
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5.2. Special hazards arising from the substance or mixture

Unsuitable extinguishing media

5.3. Advice for firefighters

Special Fire Fighting Procedures	Self contained breathing apparatus and full protective clothing must be worn in case of fire. Use water to keep fire exposed containers cool and disperse vapours.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment., Stop leak if possible without risk. DO NOT touch spilled material!, Absorb in vermiculite, dry sand or earth and place into containers., Flush with plenty of water to clean spillage area.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store separated from: , Alkalis., Bleach/Sodium hypochlorite solutions.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
HYDROCHLORIC ACID		1 ppm2 mg/m3	5 ppm8 mg/m3	

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures Provide adequate general and local exhaust ventilation.

Hand protection Use protective gloves.

Eye protection Wear approved safety goggles.

Other Protection General workwear only

Hygiene measures Wash hands at the end of each work shift and before eating, smoking and using the toilet., Promptly remove any clothing that becomes contaminated., Wash promptly if skin becomes wet or 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	Clear, Liquid
Colour	Red.
Odour	Hydrochloric acid.
Relative density	1.090 - 1.100 @ 20 °C
pH-Value, Conc. Solution	<1.0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Reacts with bleach/sodium hypochlorite solutions producing toxic chlorine gas.

10.5. Incompatible materials

Do not mix or use with other products., Sodium hypochlorite solutions (Bleach)

10.6. Hazardous decomposition products

Fire or high temperatures create:, Toxic gases/vapours/fumes of:, Carbon dioxide (CO₂)., Carbon monoxide (CO).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information	No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.
Inhalation	May cause irritation to the respiratory system.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	Strongly irritating. Prolonged contact may cause burns.
Eye contact	Risk of serious damage to eyes.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.2. Persistence and degradability

Degradability	The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

Mobility:	The product contains substances, which are water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General	Derogation for Limited Quantities may be applicable to appropriate pack sizes, please check relevant modal legislation.
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14.1. UN number

UN No. (ADR/RID/ADN)	1789
UN No. (IMDG)	1789
UN No. (ICAO)	1789

14.2. UN proper shipping name

Proper Shipping Name: HYDROCHLORIC ACID SOLUTION

14.3. Transport hazard class(es)

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

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group II
IMDG Packing group II
ICAO Packing group II

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

14.6. Special precautions for user

Tunnel Restriction Code n/a

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

Not relevant

SECTION 15: REGULATORY INFORMATION

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

UK Regulatory References	The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Environmental Listing	Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)., Control of Substances Hazardous to Health.
Approved Code Of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Workplace Exposure Limits EH40., CHIP for everyone HSG(108). System of specific information relating to Dangerous Preparations. 2001/58/EC., Dangerous Preparations Directive 1999/45/EC., Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., 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.
EU Legislation	
National Regulations	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

SECTION 16: OTHER INFORMATION

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 11/02/2013

Revision 7

Risk Phrases In Full	R34 Causes burns., R37 Irritating to respiratory system. R22 Harmful if swallowed., R41 Risk of serious damage to eyes.	
Hazard Statements In Full	H302	Harmful if swallowed.
	H314	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
	H335	May cause respiratory irritation.