

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING1.1. Product identifier

Product name **SCREEN WASH**
Product No. **M015**

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

Identified uses sub-zero screenwash

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

01298 26226

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

Classification (67/548/EEC) R10.

2.2. Label elements

Detergent Labelling: < 5% anionic surfactants

Risk Phrases R10 Flammable.
Safety Phrases S2 Keep out of the reach of children.
 S46 If swallowed
 Seek medical advice immediately and show this container or label.
 S51 Use only in well-ventilated areas.

2.3. Other hazards

No other hazards known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS3.1. Substances

Not Applicable

3.2. Mixtures

ETHANOL	10-30%
CAS-No.: 64-17-5	EEC (EINECS) No. 200-578-6
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flammable liquids, category 2 - H225	F:R11
METHANOL	0.5-1%
CAS-No.: 67-56-1	EEC (EINECS) No. 200-659-6
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flammable liquids, category 2 - H225	F:R11
Acute toxicity, category 3 - inhalation - H331	T:R23/24/25,R39/23/24/25
Acute toxicity, category 3 - Dermal - H311	
Acute toxicity, category 3 - Oral - H301	
STOT***, single exposure, category 1 - H370	
Acute toxicity, category 3 - inhalation - H331	

PROPAN-2-OL CAS-No.: 67-63-0 Classification (EC 1272/2008) Flammable liquids, category 2 - H225 Eye irritation, category 2 - H319 STOT***, single exposure, category 3 - Narcotic effects - H336	EEC (EINECS) No. 200-661-7	1-5% Classification (67/548/EEC) F;R11 Xi;R36 R67
Sodium alkylether sulphate CAS-No.: 13150-00-0 Classification (EC 1272/2008) Skin irritation, category 2 - H315 Serious eye damage, category 1 - H318	EEC (EINECS) No.	1-5% Classification (67/548/EEC) Xi;R38,R41

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., Keep the affected person warm and at rest. Get prompt medical attention., For breathing difficulties oxygen may be necessary.
Ingestion	Remove victim immediately from source of exposure., Rinse mouth thoroughly., DO NOT induce vomiting. Get medical attention immediately., If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Skin contact	Remove affected person from source of contamination., Wash the skin immediately with soap and water., Get medical attention if any discomfort continues.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues.

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

Inhalation	Vapour from this chemical can be hazardous when inhaled.
Ingestion	Harmful: may cause lung damage if swallowed.
Skin contact	Prolonged or repeated exposure may cause severe irritation., Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
Eye contact	Repeated exposure may cause chronic eye irritation.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media	Use:., Dry chemicals, sand, dolomite etc., Water spray, fog or mist., Carbon dioxide (CO2).
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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. Move container from fire area if it can be done without risk., 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

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate., Stop leak if possible without risk., Ventilate well., Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame., Avoid spilling, skin and eye contact., Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level., Static electricity and formation of sparks must be prevented.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames., Keep containers tightly closed.

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
ETHANOL	WEL	1000 ppm1920 mg/m3		
METHANOL	WEL	200 ppm(Sk)266 mg/m3(Sk)	250 ppm(Sk)333 mg/m3(Sk)	
PROPAN-2-OL	WEL	400 ppm999 mg/m3	500 ppm1250 mg/m3	

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures

Hand protection

Eye protection

Other Protection

Hygiene measures

Provide adequate general and local exhaust ventilation.

Use protective gloves made of: , Rubber (natural, latex).

Wear approved, tight fitting safety glasses where splashing is probable.

General workwear only

DO NOT SMOKE IN WORK AREA!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear, Liquid
Colour	Blue.
Odour	Odour of alcohol.
Relative density	0.947 - 0.957@ 20 °C
pH-Value, Conc. Solution	7.3
Flash point (°C)	27

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

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Fire creates: , Toxic gases/vapours/fumes of: , Carbon monoxide (CO) , Carbon dioxide (CO₂) .

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	Vapour from this chemical can be hazardous when inhaled.
Ingestion	Harmful: may cause lung damage if swallowed.
Skin contact	Prolonged or repeated exposure may cause severe irritation. , Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
Eye contact	Repeated exposure may cause chronic eye irritation.

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

14.1. UN number

UN No. (ADR/RID/ADN)	1170
UN No. (IMDG)	1170
UN No. (ICAO)	1170

14.2. UN proper shipping name

Proper Shipping Name: ETHANOL SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 3: Flammable liquids.
IMDG Class 3

Transport Labels



14.4. Packing group

ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant

14.6. Special precautions for user

Tunnel Restriction Code n/a

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).
Approved Code Of Practice	Safety Data Sheets for Substances and Preparations., 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 16/02/2007

Revision 8

Risk Phrases In Full

R11 Highly flammable, R23/24/25 Toxic by inhalation, in contact with skin and if swallowed., R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.| R11 Highly flammable| R11 Highly flammable, R36 Irritating to eyes., R67 Vapours may cause drowsiness and dizziness.| R38 Irritating to skin., R41 Risk of serious damage to eyes.|

Hazard Statements In Full

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs .