

Permaseal

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

1.1. Product identifier

Product form : Liquid
 Product name : Permaseal
 MSDS Code : CS1000

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

1.2.1. Relevant identified uses

Main use category : Professional use
 Industrial/Professional use spec : For professional use only
 Use of the substance/mixture : A water-bourne flourochemical solution that provides a subsurface transparent barrier against oil and water on porous surfaces

1.2.2. Uses advised against

This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

1.3. Details of the supplier of the safety data sheet

ANACHEM 55 SCHOOL ROAD, BALLYMARTIN, KILKEEL, COUNTY DOWN, N. IRELAND, BT34 4UP, NORTHERN IRELAND
 Tel: 028 437 67111 Fax: 028 437 68080 Email: leon.hanna@btconnect.com

1.4. Emergency telephone number

Emergency number : Mon to Fri 8.30am to 5.00pm - 028 437 67111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

R12 Extremely flammable. R66 Repeated exposure may cause skin dryness or cracking. PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

2.2. Label elements

No Legislation Available

2.3. Other hazards

This product contains no substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

Propan-2-ol 1-5%					
CAS number:	EC number:		CAS number:	EC number:	
Classification			Classification		
67-63-0	265-150-3				
R11/R36/R67					

SECTION 4: First aid measures

4.1. Description of first aid measures

Ingestion : Rinse mouth thoroughly, drink plenty of water, DO NOT induce vomiting. Get medical attention immediately.
 Skin Contact : Rinse with water. Get medical attention if any discomfort continues. Remove all contaminated clothes unless stuck to skin. EYE
 Eye Contact : Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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According to Regulation (EC) No. 453/2010

Use: Powder., Dry chemicals, sand, dolomite etc., Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

No Information Available

5.3. Advice for firefighters

Stay up-wind to avoid breathing fumes or vapors. Keep run-off water out of sewers and watercourses. If there is risk of water pollution, notify appropriate authorities. Use self-contained breathing apparatus, gloves and protective goggles. Use full protective clothing appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Wear necessary protective equipment., Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate., If leakage cannot be stopped, evacuate area.

6.1.2. For emergency responders

Personal Precautions : Spillage may be slippery. Do not allow spilled materials to enter rivers or waterways. Absorb using Spill Hound if available – sand or earth if not.

6.2. Environmental precautions

No Information Available

6.3. Methods and material for containment and cleaning up

No Information Available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.3. Specific end use(s)

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.

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

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Protective Equipment	: Wear gloves,
Hand Protection	: For prolonged or repeated skin contact use suitable protective gloves
Eye Protection	: Eye protection should be considered where there is a risk of splashing. Rubber gloves and barrier cream are recommended when using any chemical.

8.2. Exposure controls

Protective Equipment



Appropriate engineering controls

No specific ventilation requirements. If this product is used in such a way as to generate spray mist, additional ventilation may be required.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Face shield and chemical splash goggles conforming to ANSI Z87.1.

Hand protection

Protection against this substance requires special consideration. Use protective gloves, complying with an approved standard (EN374), made of the following material: PVC or Nitrile.

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Frequent change is advisable.

Other skin and body protection

Wear appropriate protective clothing to prevent any possibility of skin contact. Provide eyewash station.

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According to Regulation (EC) No. 453/2010

Hygiene measures

Provide eye wash station and suitable hand cleaning/hand care facilities. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

Respiratory protection

Respiratory protection may be required if the usage method generates excessive levels of mist/dust. If necessary, wear a mask fitted with a cartridge P2/P3 suitable for mist/dust.

8.2. Exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: Clear, Viscous, Liquid, Off-white to colourless
Odour	: Barely Perceptible
Odour threshold	: No data available
pH (Concentrate), pH (10%)	: 6.0-8.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Auto Ignition Point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density (air = 1)	: No data available
Relative density at 20 °C	: 1.007
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional Information Available

10.2. Chemical stability

Stable under normal temperature conditions. Avoid Freezing Mixture Fire creates:, Vapours/gases/fumes of:, Carbon monoxide (CO), Carbon dioxide (CO2).

10.3. Possibility of hazardous reactions

No additional Information Available

10.4. Conditions to avoid

No additional Information Available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Product does not decompose under normal conditions.

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According to Regulation (EC) No. 453/2010

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Hazardous Ingerdians	PROPAN-2-O L IVN RAT LD50 1088 mg/kg ORAL MUS LD50 3600 mg/kg ORAL RAT LD50 5045 mg/kg SCU MUS LDLO 6 gm/kg
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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

No additional information available

12.3. Bio accumulative potential

No additional information available

12.4. Mobility in soil

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Packaging should be reused, recycled or laundered via a licensed operator wherever possible.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not Classified

14.2. UN proper shipping name

Not Classified

14.3. Transport hazard class(es) / labels

Not Classified

14.4. Packing group

Not Classified

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode

Not applicable

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According to Regulation (EC) No. 453/2010

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Risk Phrases	R12 Extremely flammable. R36 Irritating to eyes., R66 Repeated exposure may cause skin dryness or cracking., R67 Vapours may cause drowsiness and dizziness
Safety Phrases	S2 Keep out of the reach of children, S16 Keep away from sources of ignition - No smoking., S23 Do not breathe vapour/spray., S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice., S37/39 Wear suitable gloves and eye/face protection., S51 Use only in well-ventilated areas.
Statutory Instruments	Chemicals (Hazard Information and Packaging) Regulations.
Approved code of Practice	Classification and labeling of substances preparations dangerous for supply.

Aqueous Nutrate presents no great hazard and is not regulated under CHIP regulations

15.1.2. National regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Read the product label and follow instructions carefully. This product should only be used on the surfaces described on the product

Risk Phrases in full

R38 Irritating to skin. R41 Risk of serious damage to eyes.| R36 Irritating to eyes.|

Do not use or rinse this product in such a way as to generate excessive product mist, as this can cause unnecessary inhalation hazard.

Risk Phrases in full	: R22 Harmful if swallowed R34 Causes Burns R36 Irritating to eyes R41 Risk of serious damage to eyes R43 May cause sensitization by skin contact R50 Very toxic to aquatic organisms R51/53 Toxic to aquatic organisms, may cause long term effects in the aquatic environment
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Microbial Classification All the bacteria in this preparation belong to Group 1 as defined in Council Directive 90/679/EEC as amended by Council Directive 93/88/EEC and Council derivative 2000/54/EC

Biodegradability The surfactants contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 and 907/2006 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be available to them, at their direct request or at the request of a detergent manufacturer.

When using this product, ensure that other unprotected personnel, or members of the public, are not exposed. Where necessary, unprotected persons should be excluded from any area where the product is being used.

All users should have access to, and be familiar with the contents of, this data sheet.

If this product is decanted into other containers, ensure that they are suitable, clean and correctly labelled.

Product spills may be very slippery - ensure that spillages are cleaned up immediately and that adequate warnings are given to other personnel.

SDS EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product