SAFETY DATA SHEET
FABRIC SEAL

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

1.1. Product identifier

Product name FABRIC SEAL

Product number B128

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

Identified uses A solvent based, fluorochemical upholstery fabric protector and stain repellent designed to impart oil, water, soil and stain resistance to water sensitive fine upholstery fabrics.

1.3. Details of the supplier of the safety data sheet

Supplier

Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH

Telephone: 020 8974 1515
Fax: 020 8974 1511
sales@prochem.co.uk

1.4. Emergency telephone number

Emergency telephone 020 8974 1515 (office hours 8am to 5pm Monday to Friday) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226

Health hazards Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 4 - H413

Classification (67/548/EEC or 1999/45/EC) Xn;R65. R53,R66.

Human health May be fatal if swallowed and enters airways. Splashes in the eyes may cause redness and irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Spray mists irritate the respiratory system, and cause coughing and difficulties in breathing. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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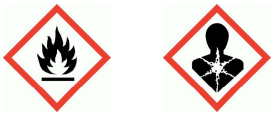
Environmental The product contains a substance which may cause long-term adverse effects in the aquatic environment. The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

Physicochemical Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements
P102 Keep out of reach of children.
P260 Do not breathe vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
P284 Wear respiratory protection.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

Supplemental label information EUH066 Repeated exposure may cause skin dryness or cracking.

Contains Hydrocarbons, C11-C12, isoalkanes, <2% aromatics, Aliphatic hydrocarbons, Alkanes, C11-15-ISO-

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics **60-100%**

CAS number: 64741-65-7 EC number: 918-167-1 REACH registration number: 01-2119472146-39-0001

Classification
Flam. Liq. 3 - H226
Asp. Tox. 1 - H304
Aquatic Chronic 4 - H413

Classification (67/548/EEC or 1999/45/EC)
Xn;R65. R53,R66.

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Aliphatic hydrocarbons	**1-5%**
CAS number: —	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	Xn;R65. R66.

Alkanes, C11-15-ISO-	**1-5%**
CAS number: 90622-58-5 EC number: 292-460-6	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Asp. Tox. 1 - H304	Xn;R65. R66.

(2-Methoxymethylethoxy)propanol	**1-5%**
CAS number: 34590-94-8 EC number: 252-104-2 Substance with a Community workplace exposure limit.	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Not Classified	-

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 Keep the affected person warm and at rest. Get prompt medical attention. Keep affected person under observation. Effects may be delayed. If in doubt, get medical attention promptly.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person under observation. Get medical attention if symptoms are severe or persist. Show this Safety Data Sheet to the medical personnel.

Ingestion Get medical attention immediately. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Show this Safety Data Sheet to the medical personnel.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

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Inhalation	Vapours/aerosol spray may irritate the respiratory system. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Prolonged or repeated exposure may cause the following adverse effects: Dizziness. Drowsiness.
Ingestion	Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting. Irritation, burning, lachrymation, blurred vision after liquid splash.

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

Notes for the doctor	No specific recommendations.
Specific treatments	No specific chemical antidote is known to be required after exposure to this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Flammable liquid and vapour. Containers can burst violently or explode when heated, due to excessive pressure build-up. Solvent vapours may form explosive mixtures with air. May ignite at high temperature.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Hydrogen fluoride (HF). Acids - organic. Acrid smoke or fumes.

5.3. Advice for firefighters

Protective actions during firefighting	Move containers from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Take precautionary measures against static discharges. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

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Environmental precautions Environmental Manager must be informed of all major spillages. Do not discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid the spillage or runoff entering drains, sewers or watercourses. Take care as floors and other surfaces may become slippery. Contain spillage with sand, earth or other suitable non-combustible material. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Do not allow material to enter confined spaces, due to the risk of explosion.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours and spray/mists. Wear suitable respiratory protection. Avoid release to the environment. Do not use in confined spaces without adequate ventilation and/or respirator. Use explosion-proof electrical, ventilating and lighting equipment. Eliminate all sources of ignition. Take precautionary measures against static discharges. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Clean equipment and the work area every day. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep away from food, drink and animal feeding stuffs. Only store in correctly labelled containers.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Long-term exposure limit (8-hour TWA): SUP 150 ppm 1000 mg/m³
SUP = Supplier's recommendation.

(2-Methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³
Sk

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WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

Ingredient comments SUP = Supplier's recommendation.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. Use explosion-proof electrical, ventilating and lighting equipment. Wear suitable respiratory protection. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection Wear approved safety goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection Solvent resistant nitrile gloves are recommended. To protect hands from chemicals, gloves should comply with European Standard EN374. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Other skin and body protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures Do not eat, drink or smoke when using this product. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Wash contaminated clothing before reuse.

Respiratory protection Wear suitable respiratory protection. Wear a respirator fitted with the following cartridge: Organic vapour filter. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Gas and combination filter cartridges should comply with European Standard EN14387. Change filter cartridge on respirator daily. Check that the respirator fits tightly and the filter is changed regularly. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid. Solvent.
Colour	Colourless.
Odour	Solvent.
Odour threshold	Not determined.
pH	Not applicable.
Initial boiling point and range	187-213°C @ 760 mm Hg
Flash point	60°C CC (Closed cup).
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 6.0 Lower flammable/explosive limit: 0.6
Vapour pressure	Not determined.
Vapour density	4.5

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Relative density	0.761 @ 15°C
Solubility(ies)	Insoluble in water. Soluble in the following materials: Hydrocarbons.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not determined.
Oxidising properties	Not applicable.

9.2. Other information

Other information	None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Strong oxidising agents.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The following materials may react with the product: Strong oxidising agents.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Alkalis. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Acids - organic. Hydrogen fluoride (HF). Acrid smoke or fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	Ingestion. May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting. Spray/mists may cause respiratory tract irritation. Vapours and spray/mists in high concentrations are narcotic. When working extensively on big surfaces in small and badly ventilated rooms, vapours may develop in concentrations which may cause malaise such as headache, dizziness and nausea. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Skin corrosion/irritation

Skin corrosion/irritation	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Serious eye damage/irritation

Serious eye damage/irritation	Vapour or spray in the eyes may cause irritation and smarting. May cause discomfort.

Skin sensitisation

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Skin sensitisation	None known.

Germ cell mutagenicity

Genotoxicity - in vivo	No effects expected based upon current data.

Carcinogenicity

Carcinogenicity	No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility	No effects expected based upon current data.

Aspiration hazard

Aspiration hazard	Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Medical symptoms	Gastrointestinal symptoms, including upset stomach. Dry skin.
Medical considerations	Skin disorders and allergies.

Toxicological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,000.0
Species	Rabbit
ATE dermal (mg/kg)	5,000.0

Aliphatic hydrocarbons

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000
Species	Rat

(2-Methoxymethylethoxy)propanol

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,135
Species	Rat

Acute toxicity - dermal

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Acute toxicity dermal (LD_{50} mg/kg)	20
Species	Rabbit

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Acute toxicity - fish	LC50, : >100 mg/l,
Acute toxicity - aquatic invertebrates	EC_{50}, : > 100 mg/l,
Acute toxicity - aquatic plants	IC_{50}, : > 100 mg/l,
Acute toxicity - microorganisms	LC_{50}, : >100 mg/l,
Chronic toxicity - fish early life stage	Not available.
Chronic toxicity - aquatic invertebrates	NOEC, : >1.0 - <10 mg/l, Freshwater invertebrates

(2-Methoxymethylethoxy)propanol

Acute toxicity - fish	LC_{50}, 96 hours: >10000 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1919 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: >969 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable. Oxidises rapidly by photochemical reactions in air.

Ecological information on ingredients.

(2-Methoxymethylethoxy)propanol

Chemical oxygen demand	2.02

12.3. Bioaccumulative potential

Bioaccumulative potential The product contains potentially bioaccumulating substances.

Partition coefficient Not determined.

Ecological information on ingredients.

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Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Partition coefficient : 6.7-7.2

(2-Methoxymethylethoxy)propanol

Partition coefficient : -0.35

12.4. Mobility in soil

Mobility The product is immiscible with water and will spread on the water surface. Absorbs to soil and has low mobility. Large volumes may penetrate soil and could contaminate groundwater.

Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Surface tension 23.5 mN/m @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not expected to have ozone depletion potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Empty containers or liners may retain some product residues and hence be potentially hazardous. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1268

UN No. (IMDG) 1268

14.2. UN proper shipping name

Petroleum distillates, N.O.S.

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14.3. Transport hazard class(es)

IMDG class 3

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

No special storage precautions required. Supplied in accordance with "Limited Quantity" provisions.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

EU legislation 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) (as amended).
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 (as amended).
The surfactant(s) contained in this product complies(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.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Telephone 020 8974 1515

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 12/05/2015

Revision 2

Supersedes date 27/11/2012

Signature Aaron Saunders

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Risk phrases in full

R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

Hazard statements in full

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.