



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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PU Flex Sealer - Black

Revision 0

Revision date 2012-09-26

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

1.1. Product identifier

Product name PU Flex Sealer - Black

1.3. Details of the supplier of the safety data sheet

Company Granville Oil & Chemicals Ltd
Address 29 Goldthorpe Industrial Estate
Goldthorpe, Rotherham,
S63 9BL ENGLAND
Telephone +44 (0) 1709 890099
Fax +44 (0) 1709 891121

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC R52/53
Symbols:
Main hazards Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Risk phrases Contains isocyanates.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information

12.5. Results of PBT and vPvB assessment. PBT not applicable. vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Solvent naptha (petroleum) light arom..					1 - 10%	Xn; R65 Xi; R37 N; R51/53

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact Wash off immediately with plenty of soap and water. No irritation expected.
Ingestion Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Carbon dioxide (CO₂). Dry chemical. Water spray. Fight larger fires with waterspray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not required.

6.2. Environmental precautions

The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment. Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Do not store with oxidizing and acidic materials. Store away from direct heat.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Avoid repeated or long lasting contact with skin. Wash hands before breaks and at end of work. When using do not eat, drink or smoke.

Eye / face protection

Goggles recommended during refilling.

Skin protection - Handprotection

Nitrile rubber - NBR (The glove material has to be impermeable and resistant to the product/substance/preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.). Glove does not only depend on material but also further manufacturers marks of quality. Product is a preparation of several substances so material of glove cannot be calculated in advance and has to be checked prior to application. Exact breakthrough time has to be found out by the glove manufacturer and has to be observed.

Respiratory protection

Not required.

Further information

The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Paste
Colour	Black
Odour	Characteristic
Flash point	61 °C
Relative density	1.3
Miscible in	Not miscible or difficult to mix
Autoignition temperature	450 °C
Viscosity	600000 mPas (Cone & Plate)

9.2. Other information

Specific gravity	1.2 g/cm ³
VOC (Volatile organic compounds)	77 g/l

Water solubility

	Insoluble in water.
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SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Alcohols. Alkalis. Amines. Aqueous acids.
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10.4. Conditions to avoid

	No decomposition if used according to specifications.
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10.6. Hazardous decomposition products

	Carbon oxides. Hydrogen chloride. Hydrogen cyanide. Isocyanides. Sulphur oxides.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Toxicological LD/LC50 relates to 64742-95-6 Solvent naphtha (petroleum) light arom.
Skin corrosion/irritation	No observed effect level.
Serious eye damage/irritation	No irritation expected.
Respiratory or skin sensitisation	No sensitization effects reported.

11.1.4. Toxicological Information

PU Flex Sealer - Black	Inhalation Rat LC50/15min: 6.19	Oral Rat LD50: 3492
	Dermal Rabbit LD50: 3160	

Further information

	People with a history of asthma, skin sensitization or respiratory disease should not handle this mixture.
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SECTION 12: Ecological information

12.2. Persistence and degradability

	No further relevant information available.
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12.3. Bioaccumulative potential

	No further relevant information available.
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12.4. Mobility in soil

	No further relevant information available.
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Further information	
	Harmful to fish.
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
General information	
	Dispose of in compliance with all local and national regulations.
Disposal methods	
	Uncleaned packaging: recommendation - disposal must be made according to official regulations.
SECTION 14: Transport information	
ADR/RID	
	The product is not classified as dangerous for carriage.
IMDG	
	The product is not classified as dangerous for carriage.
IATA	
	The product is not classified as dangerous for carriage.
Further information	
	The product is not classified as dangerous for carriage.
SECTION 15: Regulatory information	
15.2. Chemical safety assessment	
	A chemical safety assessment has not been carried out.
SECTION 16: Other information	
Other information	
Text of risk phrases in Section 3	R37 - Irritating to respiratory system. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed.
Maximum content of VOC	77 g/l.
Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.