

# PIPE POCKET PPR-5000

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

### 1.1. Product identifier

Commercial Product Name : Pipe Pocket PPR-5000

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

Relevant identified uses grouting mortar

### 1.3. Details of the supplier of the safety data sheet

Fixfast Ltd  
 Merlin House  
 Seven Mile Lane  
 Borough Green  
 Sevenoaks  
 Kent  
 TN15 8QY

### 1.4. Emergency telephone number

Emergency telephone number +44 (0)845 450 7433 (Monday - Friday, normal office hours only)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

\*Classification according to Regulation (EC) No. 1272/2008  
 Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335

### 2.2. Label elements

Hazard pictogram



GHS02  
 Danger

GHS07

Signal word

Hazardous component(s)  
 to be indicated on label

methyl methacrylate , methyl 2-methylprop-2-enoate , methyl  
 2-methylpropenoate , 2-ethylhexyl acrylate

H-statement(s) H225: Highly flammable liquid and vapour.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H335: May cause respiratory irritation.

\*P-statement(s) P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233: Keep container tightly closed.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical characterization plastifized MMA-resin

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate	CAS No. : 80-62-6 EC-No. : 201-297-1 Index-No. : 607-035-00-6 REACH No. : 01-2119452498-28-XXXX	Flam. Liq. 2; H225 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317	35.0 - 40.0 % by weight
2-ethylhexyl acrylate	CAS No. : 103-11-7 EC-No. : 203-080-7 Index-No. : 607-107-00-7 REACH No. : 01-2119453158-37-XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 3; H412	20.0 - 25.0 % by weight
aliphatic urethanacrylate		Skin Irrit. 2; H315 Eye Irrit. 2; H319	5.0 - 10.0 % by weight
1,1'-(p-Tolylimino)dipropan-2-ol	CAS No. : 38668-48-3 EC-No. : 254-075-1 REACH No. : 01-2119980937-17-XXXX	Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	0.1 - 1.0 % by weight

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.

If inhaled	Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
In case of skin contact	Wash off immediately with soap and plenty of water. If skin irritation occurs, seek medical advice/attention.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO <sub>2</sub> ), Foam, Water spray, Dry powder
Extinguishing media which must not be used for safety reasons	High volume water jet

### 5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	Violent polymerization may be caused by: Extremes of temperature and direct sunlight. Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.
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### 5.3. Advice for firefighters

Special protective equipment for firefighting	In the event of fire, wear self-contained breathing apparatus.
Additional information on firefighting	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Vapours are heavier than air and may spread along floors. Use personal protective equipment.
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## 6.2. Environmental precautions

Environmental precautions      Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

## 6.3. Methods and material for containment and cleaning up

Methods for cleaning up      Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly. Treat recovered material as described in the section “Disposal considerations”.

## 6.4. Reference to other sections

Reference to other sections      Disposal considerations See also section 13

## 6.5 Additional information

Other information      Treat recovered material as described in the section “Disposal considerations”.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Advice on safe handling      Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment. Keep product and empty container away from heat and sources of ignition. Handle and open container with care. Avoid contact with skin and eyes.

Precautions      Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

Advice on protection against fire and explosion      Take precautionary measures against static discharges. Vapours may form explosive mixture with air. Use water spray to cool unopened containers.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage space and container requirements

Store in accordance with the particular national regulations. Keep in a cool, well-ventilated place.

Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

TRGS 510

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

METHYL METHACRYLATE

Great Britain

Long-term exposure value/ ppm	Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / ppm	Short-term exposure value / mg/m <sup>3</sup>	Source
50	208	100	416	19

Source : 19 - EH40/2005 Workplace exposure limits (2011)

Long-term exposure value/ ppm	Short-term exposure value / ppm	Issuing date	Source
50	100	2009/161	24

Source : 24 - DIRECTIVE 2009/161/EU

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
210 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects Local	100
210 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects systemic	100
1,5 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	100
13,67 mg/kg	Workers	Skin	Long term effects systemic	100
105 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects Local	100
74,3 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects systemic	100
1,5 mg/cm <sup>2</sup>	Consumers	Skin	Long term effects Local	100
8,2 mg/kg	Consumers	Skin	Long term effects systemic	100
1,5 mg/cm <sup>2</sup>	Consumers	Skin	Short-term effects Local	100

Source : 100 - Firmendaten

PNEC

Value	Exposure route	Source
0,94 mg/l	freshwater	100
0,094 mg/l	marine water	100
5,74 mg/kg	sediment	100
1,47 mg/kg	Soil	100

Source : 100 - Firmendaten

## 2-ETHYLHEXYL ACRYLATE

### DNEL

Value	Target group	Exposure route	Exposure frequency	Source
37,5 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects Local	100
0,242 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	100
0,242 mg/cm <sup>2</sup>	Workers	Skin	Short-term effects Local	100
4,5 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects Local	100

Source : 100 - Firmendaten

### PNEC

Value	Exposure route	Source
0,002752 mg/l	freshwater	100
0,000272 mg/l	seawater	100
2,3 mg/l	wastewater treatment plant	100
0,126 mg/kg	sediment Water	100
0,126 mg/kg	sediment seawater	100
1,0 mg/kg	Soil	100
0,0023 mg/kg	Intermittent release.	100

Source : 100 - Firmendaten

## 1,1'-(p-Tolylimino)dipropan-2-ol

### DNEL

Value	Target group	Exposure route	Exposure frequency	Source
2 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects	100
0,6 mg/kg	Workers	Skin	Long term effects	100

Source : 100 - Firmendaten

### PNEC

Value	Exposure route	Source
199,5	Waste water treatment	100
0,0072 mg/kg	marine water	100
0,017 mg/l	freshwater	100

Source : 100 - Firmendaten

## 8.2. Exposure controls

Respiratory protection	Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Remarks :	Recommended Filter type: A1, A2 (in case of higher concentration) Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Hand protection	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Unsuitable material :	woven fabric, Leather gloves
Suitable material :	Nitriles
Material thickness :	0,38 mm
Break through time :	<25 min
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.
Engineering measures	Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Form	Liquid
Colour	milky
Odour	typic for acrylates
Boiling point [°C]	> 100 °C
Flash point [°C]	10 °C
Evaporation rate [kg/(s*m <sup>2</sup> )]	not determined
Vapour pressure [kPa]	47 hPa
Vapour density	not determined
*Density [g/cm <sup>3</sup> ]	0,983 g/cm <sup>3</sup>
Water solubility [g/l]	
Remarks :	insoluble
Partition coefficient n-octanol /water	not determined

(log P O/W)

Explosive properties

Explosive gas-air mixtures may develop.

Oxidising properties

Not relevant

## 9.2 Other information

\*Ignition temperature [°C]

280 °C

\*Flow time [s]

45 - 60 sec

Temperature :

20 °C

Measuring method :

DIN cup 6 mm

## SECTION 10: Stability and reactivity

### 10.3 Possibility of hazardous reactions

Hazardous reactions

The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution. Risk of receptacle bursting.

### 10.4 Conditions to avoid

Conditions to avoid

Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Materials to avoid

Reacts violently with peroxides. Reducing agents, Strong bases, Amines, Oxidizing agents

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Hazardous ingredients

METHYL METHACRYLATE

Oral toxicity [mg/kg]	Test criterion	Test species	Measuring method	Source
>5000	LD50	rat	OECD Test Guideline 401	100

Source : 100 - Firmendaten



Dermal toxicity [mg/kg]	Test criterion	Test species	Source
>5000	LD50	rabbit	100

Source : 100 - Firmendaten

LC50 Inhalation 4h for dusts and sprays [mg/l]	Test criterion	Test species	Source
29,8 mg/l	LC50	rat	100

Source : 100 - Firmendaten

Irritant effect on skin	irritating
Test species	rabbit
Irritant effect on eyes	Irritant
Test species	rabbit
Sensitization	Skin sensitization
Test species	mouse
Carcinogenic effects	not a carcinogen
Test species	rat, mouse
Mutagenicity	not mutagenic
Reproduction toxicity	not toxic to reproduction

Specific target organ toxicity (single exposure) [mg/kg]	Source
Causes respiratory tract irritation.	100

Source : 100 - Firmendaten

Specific target organ toxicity (repeated exposure) [mg/kg]	Source
No known effect.	100

Source : 100 - Firmendaten

## 2-ETHYLHEXYL ACRYLATE

Oral toxicity [mg/kg]	Test criterion	Test species	Source
4435 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
7522 mg/kg	LD50	rabbit	100

Source : 100 - Firmendaten

Inhalative toxicity [mg/l]	Test species	Test species	Source
1,19 mg/l	rat	8 hours	100

Source : 100 - Firmendaten

Irritant effect on skin	Skin irritation
Test species	rabbit
Exposure duration	4 h
Irritant effect on eyes	slightly irritating
Measuring method	OECD Test Guideline 405
Test species	rabbit
Sensitization	Skin sensitization
Carcinogenic effects	No known effect.
Mutagenicity	No known effect.
Reproduction toxicity	No known effect.

Specific target organ toxicity (single exposure) [mg/kg]	Source
Causes respiratory tract irritation.	100

Source : 100 - Firmendaten

Specific target organ toxicity (repeated exposure) [mg/kg]	Source
No known effect.	100

Source : 100 - Firmendaten

## 1,1`-(p-Tolylimino)dipropan-2-ol

Oral toxicity [mg/kg]	Test criterion	Test species	Source
45 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
2001 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Irritant effect on skin	No skin irritation
Irritant effect on eyes	Irritant
Sensitization	No sensitization responses were observed.
Mutagenicity	negative

## 11.2. Additional information

Experience in practice

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous ingredients

METHYL METHACRYLATE

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
191 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 203	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
69 mg/l	EC 50	Daphnia magna (Water flea)	OECD Test Guideline 202	48 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
>110 mg/l	EC 50	Selenastrum capricornutum (green algae)	OECD Test Guideline 201	72 h	100

Source : 100 - Firmendaten

NOEC (fish) [mg/l]	Test species	Measuring method	Source
9,4	Brachydanio rerio (zebra fish)	OECD Test Guideline 210	100

Source : 100 - Firmendaten

NOEC (daphnia) [mg/l]	Test species	Measuring method	Source
37	Daphnia magna (Water flea)	OECD Test Guideline 202	100

Source : 100 - Firmendaten

Biodegradability

Readily biodegradable.

Method of analysis

OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F

Bioaccumulation

Does not bioaccumulate.

Mobility

Mobility

Terrestrial Compartment Not relevant

2-ETHYLHEXYL ACRYLATE

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
1,81	LC50	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 203	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
1,3	EC 50	Daphnia magna (Water flea)	OECD Test Guideline 202	48 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
1,71	ErC50	Desmodesmus subspicatus	OECD Test Guideline 201	72 h	100

Source : 100 - Firmendaten

NOEC (algae) [mg/l]	Test species	Measuring method	Source
0,45	Desmodesmus subspicatus	OECD Test Guideline 201	100

Source : 100 - Firmendaten

Biodegradability                      Readily biodegradable.  
 Ready degradability  
 Bioaccumulation                      Bioaccumulation slight, log Pow 4,64

### 1,1'-(p-Tolylimino)dipropan-2-ol

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
17	LC50	Brachydanio rerio (zebra fish)	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
28,8	EC 50	Daphnia magna (Water flea)	18 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
245	EC 50	Desmodesmus subspicatus	27 h	100

Source : 100 - Firmendaten

Biodegradability                      Poorly biodegradable.  
 Bioaccumulation                      no data available

## 12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## 12.6. Other adverse effects

Further information on ecology

We have no quantitative data concerning the ecological effects of this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal considerations

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:




Waste Code

The EWC Nr. only apply for the liquid product.  
080111 - waste paint and varnish containing organic solvents or other dangerous substances  
This EWC Nr. only apply for the hardened product.  
170203: plastic

Uncleaned empty packaging

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## SECTION 14: Transport information

	*Land transport ADR/RID	*Marine transport IMDG	*Air transport ICAO/IATA
14.1 UN-No	1263	1263	1263
14.2 Description of the goods	PAINT	PAINT	PAINT
14.2 UN proper shipping name		PAINT	Paint
14.3 Transport hazard class(es)	3	3	3
14.4 Packaging group	III	III	III
Labels	3 	3 	3 
Risk No.	30		
Category	3		
Factor	1		

Classification Code	F1		
SP 640	640E		
Tunnel restriction code	D/E		
Remarks	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
EmS		F-E;_S-E	
Stowage category		A	

## 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

Additional regulations                      Additionally, observe any national regulations!

## SECTION 16: Other information

Relevant H-phrases

H225: Highly flammable liquid and vapour.  
H300: Fatal if swallowed.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes

Flam. Liq.: Flammable liquid  
Skin Irrit.: Skin irritation  
Skin Sens.: Skin sensitization  
STOT SE: Specific target organ toxicity - single exposure  
Aquatic Chronic: Hazardous to the aquatic environment  
Eye Irrit.: Serious eye irritation  
Acute Tox.: Acute toxicity

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification Code	evaluation
Flam. Liq. 2; H225	
Skin Irrit. 2; H315	
Skin Sens. 1; H317	
STOT SE 3; H335	

Department issuing safety data sheet      Technical Department

Modifications of the previous version are denoted with an asterisk (\*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.