

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## Flowseal P2

Revision 2  
Revision date 2015-06-24

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

<b>1.1. Product identifier</b>	
<b>Product name</b>	Flowseal P2
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
<b>Description</b>	Restricted to professional users.  One Pack Polyurethane Floor Seal.
<b>1.3. Details of the supplier of the safety data sheet</b>	
<b>Company Address</b>	Virtus Resins The Shippon, Faenol Pentrecelyn Ruthin LL15 2SP
<b>Web</b>	www.epoxyresinsuppliers.co.uk
<b>Telephone</b>	+44 (0)1978 790 744
<b>Fax</b>	
<b>Email</b>	info@epoxyresinsuppliers.co.uk
<b>Email address of the competent person</b>	info@ epoxyresinsuppliers.co.uk
<b>1.4. Emergency telephone number</b>	
<b>Emergency telephone number</b>	+44 (0)1978 790744  9.00am to 5.00pm Mon - Fri

### SECTION 2: Hazards identification

<b>2.1. Classification of the substance or mixture</b>	
<b>2.1.1. Classification - 1999/45/EC</b>	Xn; R20/21-42 Xi; R38 Symbols: Xn: Harmful.
<b>Main hazards</b>	Harmful by inhalation and in contact with skin. Irritating to skin. May cause sensitisation by inhalation.
<b>2.1.2. Classification - EC 1272/2008</b>	Skin Irrit. 2: H315; Acute Tox. 4: H332; Resp. Sens. 1: H334;
<b>2.2. Label elements</b>	
<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Skin Irrit. 2: H315 - Causes skin irritation. Acute Tox. 4: H332 - Harmful if inhaled.

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## 2.2. Label elements

Precautionary Statement: Prevention	Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - [In case of inadequate ventilation] wear respiratory protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor/ .
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

## 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	M-factor.
Xylene (Xylene, o-,m-,p-or mixed isomers)	601-022-00-9	1330-20-7	215-535-7		30 - 40%	R10 Xn; R20/21 Xi; R38	
Toluene-2,4-diisocyanate	615-006-00-4	584-84-9	209-544-5		0 - 0.5%	Carc. Cat. 3; R40 T+; R26 Xi; R36/37/38 R42/43 R52/53	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Xylene (Xylene, o-,m-,p-or mixed isomers)	601-022-00-9	1330-20-7	215-535-7		30 - 40%	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315;	
Toluene-2,4-diisocyanate	615-006-00-4	584-84-9	209-544-5		0 - 0.5%	Carc. 2: H351; Acute Tox. 2: H330; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; Aquatic Chronic 3: H412;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
Eye contact	Remove contact lenses. Irrigate copiously with clean, fresh water for at least ten minutes, holding the eyes apart and seek medical advice.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do NOT use solvent or thinners.
Ingestion	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

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

Inhalation	No data is available on this product.
Eye contact	No data is available on this product.
Skin contact	No data is available on this product.
Ingestion	No data is available on this product.

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

Inhalation	No data is available on this product.
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## 4.3. Indication of any immediate medical attention and special treatment needed

Eye contact	No data is available on this product.
Skin contact	No data is available on this product.
Ingestion	No data is available on this product.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Alcohol resistant foam, CO2, powder, water spray/mist.
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## Further information

Other Information	Fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow water run-off from firefighting to enter drains or water-courses.
Unsuitable Extinguishing Media	Water jet.

## SECTION 6: Accidental release measures

## Further information

Environmental precautions and cleanup methods	Exclude sources of ignition and ventilate area. Exclude non-essential personnel. Avoid breathing vapours. Contain the spillage with non-combustible absorbent materials eg. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations. Do not allow to enter drains or water-courses. Clean, preferably with detergent: avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company, in case of contamination of streams, rivers or lakes, the relevant environment agency.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Vapours are heavier than air and may spread near ground to sources of ignition. Heat may cause the containers to explode.
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## 7.3. Specific end use(s)

	The identified uses for this product are detailed in Section 1.2.
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## Further information

Storage Precautions	In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded/ Electrical equipment should be protected to the appropriate standard.
	Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non sparking tools should be used.
	Avoid skin and eye contact. Avoid the inhalation of vapour and mist.
	Never use pressure to empty: the container is not a pressure vessel. Always use the containers the same as the supply container.
	The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and removal of waste will minimise the risk of spontaneous combustion and other fire hazards.
	Observe label precautions. Store between 5deg and 25deg C in a dry well ventilated place away from sources of heat, ignition or direct sunlight.
	No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage.

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## Further information

Store separately from oxidising agents and strongly alkaline or acidic materials.

The principles contained in the HSE guidance note "Storage of Packaged Dangerous Substances" should be observed when storing this product.


## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Xylene (Xylene, o-,m-,p-or mixed isomers)	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m3: 220
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m3: 441
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

## 8.2. Exposure controls

	
Eye / face protection	Eye protection designed to protect against liquid splashes should be worn.
Skin protection - Hand protection	When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed.
Skin protection - Other	Barrier creams may help to protect exposed skin, but are not substitutes for full physical protection. They should not be applied once exposure has occurred.
	Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleanser.
	Regular skin inspection of users of this product is recommended.
Respiratory protection	Always wash your hands before eating, drinking, smoking or using the toilet.
	Air fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled below the occupational Exposure Limit Values and engineering controls and methods cannot reasonably be improved.

## 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

Appearance	Liquid
Odour	smell of solvent
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal storage and handling conditions. In a fire, hazardous decomposition products such as smoke, carbon monoxide, and oxides of nitrogen may be produced. Keep away from oxidising agent and strongly alkaline or acidic materials to prevent the possibility of exothermic reactions. Avoid contact with water.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	No data is available on this product.
Serious eye damage/irritation	No data is available on this product.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.

## 11.1.4. Toxicological Information

	No data available
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## SECTION 12: Ecological information

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## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

Flowseal P2 No data available

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

No data is available on this product.

**SECTION 13: Disposal considerations**

## Disposal methods

Do not allow into drains or water-courses or dispose of where ground or surface waters may be affected. Wastes including empty containers, are controlled wastes and should be disposed of in accordance with regulations made under The Control of Pollution Act and the Environmental Protection Act.

Used containers, drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 04 (list of waste).

If mixed with other wastes the above waste codes may not be applicable.

**SECTION 14: Transport information**

## Hazard pictograms



## 14.1. UN number

UN1263

## 14.2. UN proper shipping name

PAINT RELATED MATERIAL

## 14.3. Transport hazard class(es)

ADR/RID

3

Subsidiary risk

-

IMDG

3

Subsidiary risk

-

IATA

3

Subsidiary risk

-

## 14.4. Packing group

Packing group

III

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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	33
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-E
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## IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

## SECTION 15: Regulatory information

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

	<p>"COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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".</p> <p>"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".</p>
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## 15.2. Chemical safety assessment

	For advice on essential measures see sections 7 and 8 of this safety data sheet.
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## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas:. 14 - ADR/RID. 14 - IMDG. 14 - IATA.
Text of risk phrases in Section 3	R10 - Flammable R20/21 - Harmful by inhalation and in contact with skin. R26 - Very toxic by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin. R38 - Irritating to skin. R40 - Limited evidence of a carcinogenic effect. R42/43 - May cause sensitisation by inhalation and skin contact. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Irrit. 2: H315 - Causes skin irritation. Acute Tox. 4: H332 - Harmful if inhaled. Skin Sens. 1: H317 - May cause an allergic skin reaction.

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## Other information

Eye Irrit. 2: H319 - Causes serious eye irritation.  
Acute Tox. 2: H330 - Fatal if inhaled.  
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
STOT SE 3: H335 - May cause respiratory irritation.  
Carc. 2: H351 - Suspected of causing cancer .  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

## General information

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.

## 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.