



SAFETY DATA SHEET

Floorwise F580 Contact Adhesive

According to Regulation (EC) No 1907/2006, Annex II

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

1.1. Product identifier

Product name Floorwise F580 Contact Adhesive
 Container size 5L

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

Identified uses Contact Adhesive

1.3. Details of the supplier of the safety data sheet

Supplier Floorwise Group Ltd
 Floorwise House
 22 High Street
 Kegworth
 Derby
 DE74 2DA
 Tel: 01509 673 974
 Fax: 01509 674 841

1.4. Emergency telephone number

Emergency telephone Floorwise: +44 (0) 1509 673 974 (Mon-Fri 09:00-17:00)

SECTION 2: Hazards identification

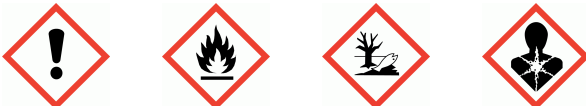
2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225
 Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361 STOT SE 3 - H336 STOT RE 2 - H373
 Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



Signal word

Danger

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Hazard statements	<p>H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains ROSIN. May produce an allergic reaction.</p>
Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe vapour/ spray. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P501 Dispose of contents/ container in accordance with national regulations. EUH208 Contains rosin. May produce an allergic reaction.</p>
Contains	TOLUENE, Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich, ETHYL ACETATE

2.3. Other hazards

For professional use only. This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	30-60%
CAS number: 64742-49-0	EC number: 925-292-5
	REACH registration number: 01-2119474209-33-0000
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
Repr. 2 - H361	
STOT SE 3 - H336	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	

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TOLUENE		30-60%
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
Repr. 2 - H361d		
STOT SE 3 - H336		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		
ETHYL ACETATE		10-30%
CAS number: 141-78-6	EC number: 205-500-4	REACH registration number: 01-2119475103-46
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
ROSIN		<1%
CAS number: 8050-09-7	EC number: 232-475-7	REACH registration number: 01-2119480418-32-0036
Classification		
Skin Sens. 1 - H317		
ZINC OXIDE		<1%
CAS number: 1314-13-2	EC number: 215-222-5	REACH registration number: 01-2119463881
Classification		
Not Classified	Classification (67/548/EEC or 1999/45/EC)	
	-	

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	Promptly remove any clothing that becomes contaminated. Move affected person to fresh air at once.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Show this Safety Data Sheet to the medical personnel.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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Eye contact Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

General information No information available.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

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 Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours.

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 Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Wear protective clothing, gloves, eye and face protection.

For non-emergency personnel Keep unnecessary and unprotected personnel away from the spillage.

For emergency responders Evacuate area. If ventilation is inadequate, suitable respiratory protection must be worn.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Do not use equipment in clean up procedure which may produce sparks. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Approach the spillage from upwind. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Avoid spilling. Keep away from heat, sparks and open flame. Provide adequate ventilation. Store in a cool and well-ventilated place. Eye wash facilities and emergency shower must be available when handling this product. Keep away from children. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place. Store in a cool and well-ventilated place. Keep away from heat, sparks and open flame.

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, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

Short-term exposure limit (15-minute): WEL 1000 mg/m³

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 384 mg/m³(Sk)

ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

WEL = Workplace Exposure Limit

TOLUENE (CAS: 108-88-3)

DNEL

Consumer - Oral; Long term systemic effects: 8.13 mg/kg/day
 Workers - Dermal; Long term systemic effects: 384 mg/kg/day
 Consumer - Inhalation; Short term local effects: 226 mg/m³
 Consumer - Inhalation; Short term systemic effects: 226 mg/m³
 Workers - Inhalation; Short term systemic effects: 384 mg/m³
 Workers - Inhalation; Short term local effects: 384 mg/m³
 Workers - Inhalation; Long term local effects: 192 mg/m³
 Consumer - Inhalation; Long term systemic effects: 56.5 mg/m³
 Workers - Inhalation; Long term systemic effects: 192 mg/m³

PNEC

- Fresh water; 0.68 mg/l
- Sediment (Freshwater); 16.39 mg/kg
- STP; 13.61 mg/l
- Soil; 2.89 mg/kg
- Sediment (Marinewater); 16.39 mg/kg
- Marine water; 0.68 mg/l

ETHYL ACETATE (CAS: 141-78-6)

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PNEC

- Fresh water; 0.26 mg/l
- Marine water; 0.026 mg/l
- Intermittent release; 1.65 mg/l
- Sediment (Freshwater); 1.25 mg/kg
- Sediment (Marinewater); 0.125 mg/kg
- Soil; 0.24 mg/kg
- STP; 650 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Personal protection

Wear protective work clothing.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Wear protective gloves. The selected gloves should have a breakthrough time of at least 4 hours. For exposure up to 4 hours, wear gloves made of the following material: Butyl rubber.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear suitable gloves if prolonged or repeated skin contact is likely

Hygiene measures

Ensure suitable ventilation of area. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat, drink or smoke.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type AX.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Yellowish.
Odour	Characteristic.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	64°C @
Flash point	- 20°C
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.8% Upper flammable/explosive limit: 11.5%
Vapour pressure	100 hPa @ 20°C
Vapour density	Not determined.

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Relative density	0.86 @ 20°C
Bulk density	860 kg/m ³
Solubility(ies)	Immiscible with water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	3000 mPa s @ 20°C
Explosive properties	In use may form flammable/explosive vapour-air mixture.
Explosive under the influence of a flame	No
Oxidising properties	Does not meet the criteria for classification as oxidising.
9.2. Other information	
Other information	Solids Content: 23.8%
Volatility	76.41%
Volatile organic compound	This product contains a maximum VOC content of 657.1 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

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 No known hazardous reactions if stored under normal conditions. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Respiratory sensitisation

Respiratory sensitisation Not known.

Skin sensitisation

Skin sensitisation Not known.

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General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea. May cause drowsiness or dizziness.
Skin contact	Irritating to skin.
Eye contact	Irritation of eyes and mucous membranes.
Acute and chronic health hazards	Irritating to skin. Irritating to eyes. Prolonged contact may cause dryness of the skin. Known or suspected teratogen. Contains a substance/a group of substances which may damage fertility and the unborn child.
Route of entry	Inhalation Ingestion.
Target organs	Central nervous system Respiratory system, lungs
Medical symptoms	Skin irritation. Narcotic effect. Drowsiness. Dizziness.

Toxicological information on ingredients.

TOLUENE

Toxicological effects	This product is very toxic.
Other health effects	Possible Risk of impaired male and female fertility.
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5000 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >5000 mg/kg, Dermal, Rabbit
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ gases ppmV)	20.0
Notes (inhalation LC₅₀)	>20 mg/l, Inhalation, Rat
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - development	Suspected of damaging the unborn child.

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Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

ETHYL ACETATE

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 30.0

ZINC OXIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 5.7

Species Rat

ATE inhalation (vapours mg/l) 5.7

SECTION 12: Ecological Information

Ecotoxicity The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecological information on ingredients.

TOLUENE

Acute toxicity - fish LC50, 96 hours: 13 mg/l, Carassius auratus (Goldfish)
NOEC, 192 hours: >1<10 mg/l,
LC₅₀, 96 hours: >1<10 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 11.5 mg/l, Daphnia magna

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Acute toxicity - aquatic plants IC₅₀, 72 hours: 12 mg/l, Selenastrum capricornutum
IC₅₀, 72 hours: >100 mg/l, Algae

ETHYL ACETATE

Acute toxicity - fish NOEC, 192 hours: > 9.65 mg/l, Pimephales promelas (Fat-head Minnow)
, 96 hours: 230 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 610 mg/l, Daphnia magna
NOEC, 192 hours: 2.4 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 48 hours: 5600 mg/l, Freshwater algae

ZINC OXIDE

Acute toxicity - fish LC50, 96 hours: 1.31 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 2.2 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability No data available. There are no data on the degradability of this product.

Ecological information on ingredients.

TOLUENE

Persistence and degradability The product is readily biodegradable.

Biological oxygen demand 1.23 g O₂/g substance

ETHYL ACETATE

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

Ecological information on ingredients.

TOLUENE

Bioaccumulative potential The product is not bioaccumulating.

ETHYL ACETATE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.
BCF: 30, Leuciscus idus (Golden orfe)

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

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TOLUENE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

ETHYL ACETATE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Adsorption/desorption coefficient Water - Koc: 1.43 @ 25°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.

Ecological information on ingredients.

TOLUENE

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

ETHYL ACETATE

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 Danger to drinking water if even small quantities leak into soil

Ozone depletion potential

Global warming potential (GWP)

Ecological information on ingredients.

TOLUENE

Other adverse effects Do not discharge into drains or watercourses or onto the ground.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Arrange disposal with a licensed waste disposal company. Incineration under approved, controlled conditions using incinerators suitable or designed for the disposal of hazardous chemical wastes, is preferred method of disposal.

Waste class Solvent Based Adhesive Waste (Non-Halogenated): 08 04 09

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1133

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UN No. (IMDG)	1133
UN No. (ICAO)	1133
UN No. (ADN)	1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES
Proper shipping name (IMDG)	ADHESIVES
Proper shipping name (ICAO)	ADHESIVES
Proper shipping name (ADN)	ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	3
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

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

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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

EU legislation	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). 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).
Guidance	ECHA: Guidance on the Compilation of safety data sheets. (V1.1, December 2011)
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	EC No. 552/2009 Annex XVII. Restricted to professional users

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Technical Department
Revision date	02/06/2016
Revision	4
Supersedes date	05/10/2013
SDS number	11827
Hazard statements in full	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains ROSIN. May produce an allergic reaction.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.