



SAFETY DATA SHEET

Floorwise F577 Cartridge

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name Floorwise F577 Cartridge

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

Identified uses 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 STOT SE 3 - H336

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P261 Avoid breathing vapour/ spray.
	P273 Avoid release to the environment.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P501 Dispose of contents/ container in accordance with national regulations.
	P233 Keep container tightly closed.
	P102 Keep out of reach of children.

Contains	ETHYL ACETATE, Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, HYDROCARBONS C7-C9, n-alkanes, isoalkanes, cyclics
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Supplementary precautionary statements	P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
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2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHYL ACETATE		10-30%
CAS number: 141-78-6	EC number: 205-500-4	REACH registration number: 01-2119475103-46-XXXX
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		10-30%
CAS number: —	EC number: 921-024-6	REACH registration number: 01-2119475514-35-XXXX
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		
HYDROCARBONS C7-C9, n-alkanes, isoalkanes, cyclics		5-10%
CAS number: —	EC number: 920-750-0	REACH registration number: 01-2119473851-33
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

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The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move out of dangerous area. Consult a physician for specific advice. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
Ingestion	Do not induce vomiting unless under the direction of medical personnel. Rinse mouth thoroughly with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. 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. Get medical attention if symptoms are severe or persist.

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

General information	Erythema. Excessive lachrymation. Loss of balance. Drowsiness, dizziness, disorientation, vertigo.
Inhalation	May cause drowsiness or dizziness.
Skin contact	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	May cause eye irritation.

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

Specific treatments	Get medical advice/attention if you feel unwell. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
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	The product is highly flammable.
Hazardous combustion products	None known.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Personal precautions Eliminate all sources of ignition. In case of insufficient ventilation, wear suitable respiratory equipment. No action shall be taken without appropriate training or involving any personal risk. Evacuate area. For personal protection, see Section 8. Forms explosive mixtures with air.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up For waste disposal, see Section 13. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material.

6.4. Reference to other sections

Reference to other sections See Section 7 for information on safe handling. For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Use explosion-proof electrical equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapours. Observe any occupational exposure limits for the product or ingredients. Take precautionary measures against static discharge.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

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.

ETHYL ACETATE (CAS: 141-78-6)

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

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DNEL

Consumer - Oral; Long term systemic effects: 699 mg/kg/day
 Workers - Oral; Long term systemic effects: 2035 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 699 mg/kg/day
 Workers - Dermal; Long term systemic effects: 773 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 608 mg/m³

8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation. Ensure the ventilation system is regularly maintained and tested.
Personal protection	Wear protective work clothing.
Eye/face protection	Personal protective equipment for eye and face protection should comply with European Standard EN166. Provide eye wash bottles.
Hand protection	Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Butyl rubber. Nitrile rubber. Thickness: 0.4 mm The selected gloves should have a breakthrough time of at least 0.5 hours.
Other skin and body protection	Wear protective clothing.
Hygiene measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Organic vapour filter (Type A). A1: < 1000 ppm; A2: < 5000 ppm; A3 < 10000 ppm Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.
Environmental exposure controls	Avoid discharge into drains or watercourses or onto the ground. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Beige.
Odour	Not known.
pH	No specific test data are available.
Melting point	No specific test data are available.
Initial boiling point and range	64°C
Flash point	-10°C
Evaporation rate	No specific test data are available.
Flammability (solid, gas)	No specific test data are available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1 vol% Upper flammable/explosive limit: 7.4 vol%
Vapour pressure	99,9915 hPa @ 20°C
Vapour density	No specific test data are available.
Bulk density	ca. 1,25 g/cm ³

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Solubility(ies)	Insoluble in water.
Partition coefficient	No specific test data are available.
Auto-ignition temperature	427°C
Viscosity	Kinematic viscosity > 20.5 mm ² /s.
Explosive properties	No specific test data are available.
Oxidising properties	Not determined.

9.2. Other information

Other information	Not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	In use may form flammable/explosive vapour-air mixture.
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10.4. Conditions to avoid

Conditions to avoid	Keep away from heat, sparks and open flame.
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10.5. Incompatible materials

Materials to avoid	No further relevant information available.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No information available.
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Skin corrosion/irritation

Skin corrosion/irritation	Irritating to skin.
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Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.
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Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.
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Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.
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Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
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Genotoxicity - in vivo	Based on available data the classification criteria are not met.
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Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
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Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Toxicological information on ingredients.

ETHYL ACETATE

Toxicological effects The toxicity of this substance has been assessed during REACH registration.

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rabbit

Skin corrosion/irritation

Skin corrosion/irritation Skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

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Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

HYDROCARBONS C7-C9, n-alkanes, isoalkanes, cyclics

Acute toxicity - dermal

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

Species Rabbit

SECTION 12: Ecological information

12.1. Toxicity

Toxicity No data available.

Ecological information on ingredients.

ETHYL ACETATE

Acute aquatic toxicity

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, : 1-10 mg/l, Fish
NOEC, : 1-10 mg/l, Fish

Acute toxicity - aquatic plants LC₅₀, : 10-100 mg/l, Algae

Acute toxicity - microorganisms LC₅₀, : 1-10 mg/l, Activated sludge
NOEC, : 0.1-1 mg/l, Activated sludge

HYDROCARBONS C7-C9, n-alkanes, isoalkanes, cyclics

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1-10 mg/l, Fish

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Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 10-100 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological information on ingredients.

ETHYL ACETATE

Persistence and degradability The product is readily biodegradable.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No specific test data are available.

Partition coefficient No specific test data are available.

Ecological information on ingredients.

ETHYL ACETATE

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Bioaccumulative potential Not available.

12.4. Mobility in soil

Mobility No data available.

Ecological information on ingredients.

ETHYL ACETATE

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

Adsorption/desorption coefficient Water - K_{oc}: 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.

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

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Other adverse effects No further relevant information available.

Ecological information on ingredients.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Other adverse effects The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor. 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. Do not discharge into drains or watercourses or onto the ground.

Disposal methods Must not be disposed of together with domestic waste. Do not allow product to reach sewage system.

Waste class 15 01 10* packaging containing residues of, or contaminated by dangerous substances.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1133
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



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14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL 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	Control of Substances Hazardous to Health Regulations 2002 (as amended). Health and Safety at Work etc. Act 1974 (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).
Authorisations (Annex XIV Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Technical Department
Revision date	24/02/2017
Revision	2

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Supersedes date	01/12/2016
SDS number	20591
Hazard statements in full	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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.