

SAFETY DATA SHEET
Floorwise F577 Cartridge
according to Regulation (EU) 2015/830

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 STOT SE 3 - H336
Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements**Pictogram**

Signal word Danger

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

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Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	Hydrocarbons, C6-C7, N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane, BUTANONE
Supplementary precautionary statements	<p>P240 Ground/ bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P405 Store locked up.</p>

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C6-C7, N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane	10-30%
CAS number: 64742-49-0	EC number: 265-151-9
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	
BUTANONE	5-10%
CAS number: 78-93-3	EC number: 201-159-0
	REACH registration number: 01-2119457290-43
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

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

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Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Ingestion	Get medical attention if any discomfort continues. Do not induce vomiting.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing.
Eye contact	Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation	Harmful by inhalation. Nausea, vomiting. May cause drowsiness or dizziness.
Ingestion	Harmful if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Nausea, vomiting.
Skin contact	May cause skin irritation. May cause 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.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is highly flammable. Toxic gases or vapours.
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5.3. Advice for firefighters

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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Eliminate all sources of ignition. In case of insufficient ventilation, wear suitable respiratory equipment.
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6.2. Environmental precautions

Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses.
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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. Avoid the spillage or runoff entering drains, sewers or watercourses.
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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.
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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.
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Floorwise F577 Cartridge

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

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m³(Sk)

WEL = Workplace Exposure Limit

Hydrocarbons, C6-C7, N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane (CAS: 64742-49-0)

DNEL Workers - Dermal; Long term systemic effects: 773 mg/kg/day
 General population - Inhalation; Long term systemic effects: 608 mg/m³
 General population - Dermal; Long term systemic effects: 699 mg/kg/day
 General population - Oral; Long term systemic effects: 699 mg/kg/day

BUTANONE (CAS: 78-93-3)

DNEL Consumer - Oral; Long term systemic effects: 31 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 412 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 106 mg/m³
 Industry - Inhalation; Long term systemic effects: 600 mg/m³

PNEC - Fresh water; Long term 55.8 mg/l
 - Marine water; Long term 55.8 mg/l
 - Intermittent release; Intermittent release 55.8 mg/l
 - STP; Long term 709 mg/l
 - Sediment; Long term 284.7 mg/kg
 - Soil; Long term 22.5 mg/kg

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

Hand protection Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. Polyvinyl chloride (PVC).

Other skin and body protection Avoid contact with eyes and skin. Do not eat, drink, smoke or sniff while working.

Hygiene measures Keep away from foodstuffs, beverages and feed. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Respiratory protection In case of brief exposure use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

SECTION 9: Physical and Chemical Properties

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9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Brown.
Odour	Aromatic.
pH	No specific test data are available.
Melting point	No specific test data are available.
Initial boiling point and range	63-120°C
Flash point	-26°C
Evaporation rate	No specific test data are available.
Flammability (solid, gas)	No specific test data are available.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	No specific test data are available.
Relative density	1.34 @ 20°C
Solubility(ies)	No specific test data are available.
Partition coefficient	No specific test data are available.
Auto-ignition temperature	No specific test data are available.
Viscosity	7 x 10 ⁻⁶ m ² /s @ 40°C
Explosive properties	No specific test data are available.
Oxidising properties	Not determined.

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

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 Oxidising agents.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid No further relevant information available.

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.

Toxicological information on ingredients.

Hydrocarbons, C6-C7, N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane

Skin sensitisation

Skin sensitisation Not sensitising.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Skin contact

Irritating to skin.

Eye contact

No significant hazard at normal ambient temperatures.

BUTANONE

Toxicological effects

Vapour is irritating to eyes and respiratory tract, may cause systemic effects: narcosis, headaches. Liquid is severely irritating to eyes, irritating to skin, and may cause dermatitis due to defatting. Ingestion may cause sore throat, nausea, diarrhoea.

Acute toxicity - oral

**Acute toxicity oral (LD₅₀
mg/kg)** 2,000.0

Species Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 5,000.0

Species Rabbit

Acute toxicity - inhalation

**Acute toxicity inhalation
(LC₅₀ vapours mg/l)** 5,000.0

Species Rat

**ATE inhalation (vapours
mg/l)** 5,000.0

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

Irritation of eyes and mucous membranes.

XYLENE ISOMERS MIXTURE

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Floorwise F577 Cartridge

ATE inhalation (vapours
mg/l) 11.0

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity No data available.

Ecological information on ingredients.

BUTANONE

Toxicity	Low toxicity to fish
Acute toxicity - fish	LC50, 96 hours: 2993 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 308 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 2029 mg/l, Freshwater algae
Acute toxicity - microorganisms	EC ₅₀ , 96 hours: > 50 mg/l, Activated sludge

12.2. Persistence and degradability

Ecological information on ingredients.

BUTANONE

Persistence and degradability	The product is biodegradable.
Phototransformation	Water - Degradation (%) 98: 28 days

12.3. Bioaccumulative potential

Partition coefficient No specific test data are available.

Ecological information on ingredients.

Hydrocarbons, C6-C7, N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane

Partition coefficient	Scientifically unjustified.
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BUTANONE

Bioaccumulative potential	The product is not bioaccumulating.
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12.4. Mobility in soil

Ecological information on ingredients.

BUTANONE

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

Hydrocarbons, C6-C7, N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane

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Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects No further relevant information available.

Ozone depletion potential

Global warming potential (GWP)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

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

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



14.4. Packing group

ADR/RID packing group II

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IMDG packing group	II
ADN packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	2
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

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	Commission Regulation (EU) No 453/2010 of 20 May 2010. 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).
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15.2. Chemical safety assessment

SECTION 16: Other information

Issued by	Technical Department
Revision date	01/12/2016
Revision	1
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.