



SAFETY DATA SHEET

FLOORWISE F590 SOLVENT CLEANER 500ml AEROSOL

SECTION 1; IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name SOLVENT CLEANER
 Product No. SOLVCL 500
 UFI: 8NVT-93PV-VKKF-DPE7

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

Identified uses SPRAY SOLVENT CLEANER

1.3. Details of the supplier of the data sheet

Supplier Floorwise Group Ltd
 Floorwise House
 22 High Street
 Kegworth
 Derby DE74 2DA

Emergency telephone number

+44 (0) 111

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards	Extremely flammable aerosol. - H222: H229
Human health	Eye Irrit. 2 – H319; STOT SE 3 – H336
Environment	Not Classified

The full text for all Hazard statements are displayed in Section 16.

2.2 Label Elements

Label in Accordance with (EC) No. 1272/2008

Contains: Acetone
 Methyl Ethyl Ketone



Signal word`

Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/ eye protection/ Face protection.
P261	Avoid breathing vapour/spray.
P337+313	If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTRE or Doctor/physician.
P501	Dispose of contents/container in accordance with local Regulations.

Supplementary precautionary statements

P264	Wash contaminated skin thoroughly after handling.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in Position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
P308+313	If exposed or concerned: Get medical advice/attention.
P410+412	Protect from sunlight. Do not expose to temperatures Exceeding 50°C/122°F.

Supplement label information**2.3. Other hazards**

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn even after use. Do not spray on naked flame or any incandescent material – NO SMOKING.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

ACETONE		25-35%
CAS-No.: 67-64-1	EC No.: 200-662-2	Registration number: 01-2119471330-49
Classification (EC 1272/2008) Flam. Liq. 2; H225 Eye Irrit 2; H319 STOT SE 3, Central nervous system, H336	Classification (67/548/EEC) Supplemental; EUH066	
PETROLEUM GASES LIQUIFIED		30-40%
CAS- No.: 68476-85-7	EC No.: 270-704-2	
Classification (EC 1272/2008) Flam. Gas 1- H220	Classification (67/548/EEC)	

METHYL ETHYL KETONE		25-35%
CAS- No.: 78-93-3	EC No.: 201-159-0	
Flam. Liq 2 - H225 Eye Irrit 2 – H319 STOT SE 3 – H336		

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT induce vomiting. Get medical attention immediately

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling section 2.2, and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media

Fire can be extinguished using: foam; carbon dioxide; dry powder

5.2 Special hazards arising from the substance or mixture

Unusual fire & Explosion hazards

Aerosol cans may explode in fire.

5.3 Advice for firefighters

Wear self contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Provide adequate ventilation. Wear protective clothing as described in Section B of this safety data sheet.

6.2 Environmental precautions

Prevent entry into drains. Avoid discharge into the water course or onto the ground.

6.3 Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb onto sand, earth or absorbent granules.

6.4 Reference to other sections

Wear protective clothing as described in section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3 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**

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³	UK & IRE
PETROLEUM GASES LIQUIFIED	WEL	1000 ppm	1750 mg/m ³	1250 ppm	2180 mg/m ³	UK & IRE
METHYL ETHYL KETONE	WEL	200 ppm	600 mg/m ³	300 ppm	900 mg/m ³	IRE

WEL = Workplace exposure limit.

Chemical name	European Union	Ireland	United Kingdom
Methyl ethyl ketone 78-93-3		70 µmol/L (urine - Butan-2-one post shift)	70 µmol/L urine
Acetone 67-64-1		50 mg/L (urine - Acetone end of shift)	

Derived No Effect Level (DNEL)

Methyl ethyl ketone (78-93-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Worker Long term Systemic health effects	Dermal	1161 mg/kg bw/d	
Worker Long term Systemic health effects	Inhalation	600 mg/m ³	

Acetone (67-64-1)

Type	Exposure Route	Derived No effect Level	Safety Factor
Long Term Systemic health effects Worker	Dermal	186 mg/kg bw/d	
Short Term Local Health effects Worker	Inhalation	2420 mg/m ³	
Long Term Systemic health effects Worker	Inhalation	1210 mg/m ³	

Long Term Systemic health effects Consumer	Inhalation	200 mg/m ³	
Short Term Local Health effects Consumer	Dermal	62 mg/kg bw/d	
Long Term Systemic health effects Consumer	Oral	62 mg/kg bw/d	

Predicted No effect Concentration (PNEC)**Acetone (67-64-1)**

Environmental Compartment	Predicted No effect Concentration (PNEC)
Freshwater	10.6 mg/l
Freshwater - intermittent	21 mg/l
Marine water	1.06 mg/l
Microorganisms in sewage treatment	100 mg/l
Freshwater sediment	30.4 mg/kg dry weight
Marine water	3.04 mg/kg dry weight
Soil	29.5mg/kg dry weight

Methyl ethyl ketone (78-93-3)

Environmental Compartment	Predicted No effect Concentration (PNEC)
Freshwater	55.8 mg/l
Marine water	55.8 mg/l
Freshwater sediment	287.74 mg/l
Marine water sediment	287.7 mg/l
Soil	22.5 mg/kg dry weight

8.2 Exposure controls**Protective equipment****Appropriate engineering controls**

Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection

Chemical splash goggles or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Hand protection

Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Nitrile rubber.

Other skin and body protection

Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Wear protective clothing.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid	
Appearance	Liquid	
Colour	No information available	
Odour	Characteristic.	
Odour threshold	No information available	
Property	Values	Remarks • Method
Melting point / freezing point	No data available	
Initial boiling point and boiling range	Not applicable - aerosol	
Flammability	Not applicable – aerosol.	
Flammability Limit in Air		None known
Upper flammability or explosive Limits	No data available	
Lower flammability or explosive Limits	No data available	
Flash point =	No data available	
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH No data available	Not applicable.	Insoluble in water.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	
Water solubility	No data available.	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk Density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Solid content (%)	No information available
VOC content	No information available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Avoid heat, sparks, and flames, stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid heat, flames and other sources or ignition. Avoid contact with: Strong oxidising agents, Strong alkalis and Strong mineral acids.

10.5 Incompatible materials

Materials to avoid

Strong acids, strong oxidising substances and strong alkalis.

10.6 Hazardous decomposition products

No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acetone

Acute Toxicity

LD50 Oral	Rat - 5,800 mg/kg
LC50 Inhalation	Rat – 8 h – 50,100 mg/m ³
LD50 Dermal	Guinea Pig – 7,426 mg/kg

Skin Corrosion/Irritation

Skin	Rabbit – Mild skin irritation – 24 h
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Serious Eye damage/irritation

Eyes	Rabbit – Eye irritation 24 h
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Respiratory or skin sensitisation

Guinea Pig – None recorded

Carcinogenicity

This product is or contains a component that is not classified as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Butanone

Acute Toxicity

LD50 Oral	Rat - 2,737 mg/kg
LC50 Inhalation	Mouse – 8 h – 32,000 mg/m ³
LD50 Dermal	Rabbit – 6,480 mg/kg

Skin Corrosion/Irritation

Skin	Rabbit – No skin irritation
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Serious Eye damage/irritation

Eyes	Rabbit – Eye irritation
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(OECD Test Guideline 405)

Respiratory or skin sensitisation

No data available

Carcinogenicity

No component of this product present at greater levels than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial environments should be avoided.

12.1 Toxicity**Acetone:**

Toxicity to fish	LC50 – Oncorhynchus mykiss (rainbow trout) – 5,540 mg/l – 96 h
Toxicity to daphnia and Other aquatic vertebrates	LC50 – Daphnia magna (water flea) – 8,800 mg/l – 48 h
Toxicity to algae	No data available

Methyl ethyl ketone

Algae/aquatic	
Plant	C50=1972 mg/l (Pseudokirchneriella subcapitata)
Fish	LC50: 3130 - 3320mg/L (96h,Pimephales promelas)
Microorganisms	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min
Crustacea	EC50 48 h > 308 mg/L (Daphnia magna)

12.2 Persistence and degradability

Acetone Result: 91% - readily biodegradable (OECD Test Guideline 301B)

Methyl ethyl ketone No data available

12.3 Bio accumulative potential

Acetone Does not bioaccumulate

Methyl ethyl ketone No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PB), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine Disrupting Properties

No data available

12.7 Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION**14.1 UN Number**

UN No (ADR/RID/ADN)	1950
UN No (IMDG)	1950
UN NO (ICAO)	1950

14.2 UN Proper Shipping Name

ADR/IMDG/AND/RID	AEROSOLS
IATA	Aerosols Flammable

14.3 Transport Hazard Class(es)

ADR/RID/ADN Class	2.1
ADR/RID/ADN Class	Class 2: Gases
ADR Label No	2.1
IATA	2.1

IMDG Class	2.1
ICAO Class/Division	2.1
ICAO TEC* No	20GSF
Air Class	2.1
UK Road Class	2.1
Transport Labels	L.Q.



14.4 Packing Group

Not Applicable

14.5 Environmental Hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

14.6 Special Precautions for user

Overland Transport

Classification Code (ADR):	5F	
Special Provisions (ADR):		190,327,344,625
Limited Quantities (ADR):		1I
Excepted Quantities (ADR):		E0
Packing Instructions (ADR):		P207,LP02
Special Packing provisions (ADR):		PP87, RR6, L2
Mixed Packing provisions (ADR):		MP9
Transport Strategy (ADR):		2
Special provisions for carriage – Packages (ADT)		V14
Special Provisions for carriage – Loading, unloading and handling (ADR):		CV9, CV12
Special provisions for carriage – Operation (ADR):		S2
Tunnel Restriction Code:		D

Transport by Sea

Special Provisions (IMDG):	63,190,277,327,344,959
Limited Quantities (IMDG):	SP277
Excepted Quantities (IMDG):	E0
Packing Instructions (IMDG):	P207,LP02
Special Packing provisions (IMDG):	PP87,L2
EmS-No (Fire):	F-D
EmS-No (Spillage):	S-U
Stowage category (IMDG):	None
Stowage and Handling (IMDG):	SW1,SW22
Segregation (IMDG):	SG69
MFAG-No:	126

Air Transport

PCA Excepted Quantities (IATA):	E0
PCA Limited Quantities (IATA):	Y203
PCA Limited Quantity max net quantity (IATA):	30KgG
PCA Packing instructions (IATA):	203
PCA max net quantity (IATA):	75Kg
CAO packing instructions (IATA):	203
CAO max net quantity (IATA):	150Kg
Special provisions (IATA):	A145,A167,A802
ERG Code (IATA):	10L

Inland Waterway Transport

Classification Code (ADN):	5F
Special Provisions (ADN):	190,327,344,625
Limited Quantities (ADN):	1 L
Excepted Quantities (ADN):	E0
Equipment required (ADN):	PP,EX,A
Ventilation (ADN):	VE01,VE04
Number of blue cones/lights (ADN):	1

Rail Transport

Classification Code (RID):	5F
Special Provisions (RID):	190,327,344,625
Limited Quantities (RID):	1L
Excepted Quantities (RID):	E0
Packing Instructions (RID):	P207,LP02
Special Packing provisions (RID):	PP87,RR6,L2
Mixed Packing provisions (RID):	MP9
Transport Category (RID):	2
Special Provisions for carriage – Packages (RID):	W14
Special Provisions for carriage – Loading, unloading and handling (RID):	CW9, CW12
Colis Express (express parcels) (RID):	CE2
Hazard Identification No (RID):	23

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

Not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Labelling according to Regulation (EC) No 1272/2008

The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716). Control of substances hazardous to health.

Approved code of practice.

Guidance notes

Workplace exposure limits EH40.

15.1.1 EU-Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no REACH Annex XIV substances.

15.2 Chemical safety assessment

No data available

SECTION 16: OTHER INFORMATION**General information**

This product should be used as directed. For further information consult the product data sheet or contact technical services.

Information sources

This safety data sheet was compiled using current safety information supplied by distributor raw materials.

Revision comments

This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Floorwise Group Ltd.

Hazard statements in full

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation

H336

May cause drowsiness or dizziness

Abbreviations

Flam Liq 2

Flammable Liquid Category 2

Eye Irrit 2

Eye Irritant Category 2

STOT SE 3

Specific Target Organ Toxicity Single Exposure Category 3

Flam Gas 1

Flammable Gas Category 1

TWA

TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

SVHC

Substance(s) of Very High Concern

PBT

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB

Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE

Specific target organ toxicity - Repeated exposure

STOT SE

Specific target organ toxicity - Single exposure

EWC

European Waste Catalogue

ADR

European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG

International Maritime Dangerous Goods (IMDG)

IATA

International Air Transport Association (IATA)

RID

Regulations concerning the International Transport of Dangerous Goods by Rail

ISSUE:

REV 5.0

LAST REVIEWED:

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