

Product Quick Dry Satin Varnish (clear and various colours)
 Revision date 02 April 2019
 Revision 1



Safety Data Sheet (SDS)
 according to Regulation (EC) No. 1907/2006

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name	Quick Dry Satin Varnish (clear and various colours)
Synonyms, Trade names	No information available.

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

Identified uses	Paint or paint related material.
Uses advised against	No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier	FSW Coatings Ltd. Virginia Co Cavan Ireland Tel: 353 49854 7209
Contact person	info@fsw.ie

1.4 Emergency telephone number

Emergency telephone	+ 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)
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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)	
Physical and chemical hazards	Not classified
Human health	Not classified
Environment	Not classified

2.2 Label elements

Contains	Not applicable
Label in accordance with (EC) no. 1272/2008	No pictogram required
Signal word	No Signal Word
Hazard statements	No hazard statements required
Precautionary statements	No precautionary statements required

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	CAS-No.: 25265-77-4 EC No.: 246-771-9 REACH Reg No.: 01-2119441305-48-0002		1-10%
propane-1,2-diol	CAS-No.: 57-55-6 EC No.: 200-338-0 REACH Reg No.: 01-2119456809-23-0000		1-10%
2-butoxyethanol	CAS-No.: 111-76-2 EC No.: 203-905-0 REACH Reg No.: 01-2119475108-36-XXXX	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Irrit.2 - H315, Eye Irrit.2A - H319	0-1%
Alcohols, C12-14, ethoxylated	CAS-No.: 68439-50-9 EC No.: 500-213-3	Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412	0-1%
2-(2-(2-butoxyethoxy)ethoxy)ethanol	CAS-No.: 143-22-6 EC No.: 205-592-6 REACH Reg No.: 01-2119531322-53	Eye Dam. 1 - H318	0-1%
(2-methoxymethylethoxy)propanol	CAS-No.: 34590-94-8 EC No.: 252-104-2 REACH Reg No.: 01-2119450011-60-XXXX		0-1%
Tetrasodium pyrophosphate	CAS-No.: 7722-88-5 EC No.: 231-767-1		0-1%
formaldehyde ... %	CAS-No.: 50-00-0 EC No.: 200-001-8	Acute Tox 3 - H301, Acute Tox 2 - H310, Skin Corr. 1B - H314, Skin. Sens 1 - H317, Acute Tox 3 - H331, Muta. 2- H341, Carc. 1B - H350	0-1%

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

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures**4.1 Description of first aid measures****General information**

General first aid, rest, warmth and fresh air.

Inhalation

If this product is Inhaled, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.

Ingestion

Rinse mouth thoroughly. Get medical attention if symptoms occur.

Skin contact

Seek medical attention if irritation persists. Remove contaminated clothes and rinse skin thoroughly with water. Wash skin thoroughly with soap and water.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Remove contact lenses if worn. If irritation persists, seek medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed**General information**

The product is non hazardous.

Inhalation

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin contact

No specific symptoms noted.

Eye contact

No specific symptoms noted.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to the physician**

Treat symptomatically.

Section 5: Fire-fighting measures**5.1 Extinguishing media****Extinguishing media**

This product is not flammable.

Unsuitable extinguishing media

No unsuitable extinguishing media identified.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	None under normal conditions.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	None noted.

5.3 Advice for firefighters

Special fire fighting procedures	Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions	Ensure adequate ventilation. Do not smoke, use open fire or other sources of ignition. Use personal protective equipment. Read and follow manufacturer's recommendations.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Do not discharge into drains, water courses or onto the ground.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Wash thoroughly after dealing with a spillage. Place into chemical waste container for disposal according to local, state or federal regulations. Flush spill area large amounts of with water.
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6.4 Reference to other sections

Reference to other sections	See section 1 for emergency contact. 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**

Handling	Provide good ventilation. Wash thoroughly after handling. Eliminate all sources of ignition. Use proper personal protection when handling (refer to Section 8).
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7.2 Conditions for safe storage, including any incompatibilities

Storage precautions	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage class	No information available.

7.3 Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.
Usage description	Use only according to directions.

Section 8: Exposure controls/Personal protection**8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
propane-1,2-diol	OEL	150 ppm	470 mg/m ³			
propane-1,2-diol	OEL		10 mg/m ³			
2-butoxyethanol	OEL	20 ppm	98 mg/m ³	50 ppm	246 mg/m ³	

(2-methoxymethylethoxy)propanol	OEL	50 ppm	308 mg/m ³			
Tetrasodium pyrophosphate	OEL		5 mg/m ³			
formaldehyde ... %	OEL	0.2 ppm		0.4 ppm		

Ingredient comments

Ireland, Occupational Exposure Limits 2018.

8.2 Exposure Controls**Protective equipment****Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

No personal respiratory protective equipment normally required.

Hand protection

Use suitable protective gloves if there is a risk of skin contact. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Other protection

Protective clothing not required for normal use of the product.

Hygiene measures

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety practice.

Process conditions

Use only according to directions.

Section 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	Viscous liquid.
Colour	Clear & various colours.
Odour	Faint.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	>8.1
pH-Value, Diluted solution	No information available.
Melting point	May start to solidify at the temperatures below 2°C. This is based on data for the following ingredient: water
Initial boiling point and boiling range	>42°C
Flash point	Closed cup: Not applicable. (Product does not sustain combustion.)
Evaporation rate	No information available.
Flammability state	Non flammable.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	Upper: 0%
Vapour pressure	Highest known value: 3.2 kPa (23.8 mm Hg) (at 20°C) (water). Weighted average: 3.12 kPa (23.4 mm Hg) (at 20°C)
Vapour density (air=1)	Highest known value: 7.5 (Air = 1) (isobutyric acid, monoester with 2,2, 4-trimethylpentan-1,3-diol).

Relative density	1.02
Bulk density	No information available.
Solubility	Partially soluble in cold water.
Decomposition temperature	Stable under normal handling and storage conditions.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	Kinematic (40°C): >0.25 cm ² /s
Explosive properties	Not classified as explosive.
Oxidising properties	The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	33.00 g/litre
Other information	Weight Solids 32.0 +/- 1.0% Volume Solids 30.5% +/- 1.0%

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	No specific reactivity hazards associated with this product.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	None under normal processing.
Hazardous polymerisation	No information available.
Polymerisation description	No information available.

10.4 Conditions to Avoid

Conditions to avoid	None known.
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10.5 Incompatible materials

Materials to avoid	Do not mix with other chemicals unless listed on directions.
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10.6 Hazardous decomposition products

Hazardous decomposition products	None under normal conditions.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Product is not classified as an eye irritant.

Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	No specific symptoms noted.
Ingestion	No specific symptoms noted.
Skin contact	No specific symptoms noted.
Eye contact	No specific symptoms noted.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	No target organs specified.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	No Ecological information on the finished product.
Eco toxicological information	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.

12.2 Persistence and degradability

Degradability	The degradability of the product has not been stated.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3 Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	No information available.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	No information available.
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12.6 Other adverse effects

Other adverse effects	No data available.
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Section 13: Disposal considerations

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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13.1 Waste treatment methods

Disposal methods	Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations.
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Section 14: Transport information**14.1 UN number**

UN no. (ADR)	Not applicable.
UN no. (IMDG)	Not applicable.
UN no. (IATA)	Not applicable.

14.2 UN proper shipping name

ADR proper shipping name	Not applicable.
IMDG proper shipping name	Not applicable.
IATA proper shipping name	Not applicable.

14.3 Transport hazard class(es)

ADR class	Not applicable.
IMDG class	Not applicable.
IATA class	Not applicable.

Transport labels	Not applicable
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14.4 Packing group

ADR/RID/ADN packing group	Not applicable.
IMDG packing group	Not applicable.
IATA packing group	Not applicable.

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
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Approved code of practice	2018 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of
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the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).

Chemical safety assessment No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	02 April 2019
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects .
H350	May cause cancer .

Disclaimer

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.