

Product Fleetwood Polyurethane Satin Varnish  
 Revision date 07 March 2019  
 Revision 1



## Safety Data Sheet (SDS)

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

#### 1.1 Product identifier

**Product name** Fleetwood Polyurethane Satin Varnish  
**Synonyms, Trade names** No information available.

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

**Identified uses** No specific uses identified.  
**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)

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (EC 1272/2008)**  
 Physical and chemical hazards Flam. Liq 3- H226  
 Human health STOT SE 3 - H336  
 Environment Not classified

#### 2.2 Label elements

**Contains** Not applicable

**Label in accordance with (EC) no. 1272/2008**



**Signal word** Warning

**Hazard statements** H226 Flammable liquid and vapour.  
 H336 May cause drowsiness or dizziness.

**Precautionary statements**

**Prevention**  
 P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.  
 P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

**Response**  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage**  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**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	%
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS-No.: 64742-48-9 EC No.: 919-857-5 REACH Reg No.: 01-2119463258-33-XXXX	STOT SE 3 - H336, Asp. Tox - H304, Flam. Liq 3- H226	10-30%
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No.: EC No.: 919-857-5 REACH Reg No.: 01-2119463258-33-XXXX	Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336	10-30%
1-methoxy-2-propanol monopropylene glycol methyl ether	CAS-No.: 107-98-2 EC No.: 203-539-1	Flam. Liq 3- H226, STOT SE 3 - H336	1-10%
2-ethylhexanoic acid, zirconium salt	CAS-No.: 22464-99-9 EC No.: 245-018-1	Repr. 2 - H361d	0-1%
2-butanone oxime ethyl methyl ketoxime ethyl methyl ketone oxime	CAS-No.: 96-29-7 EC No.: 202-496-6	Acute Tox 4 - H312, Skin. Sens 1 - H317, Eye Dam. 1 - H318, Carc. 2 - H351	0-1%
nonane	CAS-No.: 111-84-2 EC No.: 203-913-4	Aquatic Chronic 1 - H410, Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336	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**

<b>General information</b>	Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.
<b>Inhalation</b>	If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If breathing is difficult, give oxygen. If breathing has stopped or the exposed person experiences difficulty in breathing, administer artificial respiration and seek immediate medical assistance.
<b>Ingestion</b>	Rinse mouth thoroughly. Provide fresh air, warmth and rest. Do not induce vomiting. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. Seek medical advice (show the label where possible). If vomiting occurs, the head should be kept low so that stomach content doesn't enter the lungs.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues after rinsing.
<b>Eye contact</b>	Do not rub eye. Avoid contaminating unaffected eye. Remove contact lenses if present and easy to do so. Promptly wash eye(s) with plenty of water while lifting the eye lids. Rinse with a gentle stream water for at least 15 minutes. Get prompt medical attention.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms noted
<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b>Skin contact</b>	No specific symptoms noted.
<b>Eye contact</b>	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** Use fire-extinguishing media appropriate for surrounding materials. Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media** Do not use water jet to extinguish fire.

### 5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products** During fire, gases hazardous to health may be formed.

**Unusual fire & explosion hazards** The product is classified as a flammable liquid and vapour.

**Specific hazards** If heated, harmful vapours may be formed.

### 5.3 Advice for firefighters

**Special fire fighting procedures** Ventilate closed spaces before entering them. Water spray should be used to cool containers. If possible, fight fire from protected position. Keep up-wind to avoid fumes.

**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** Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Wear protective clothing as described in Section 8 of this safety data sheet. If necessary evacuate surrounding areas. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Do not touch or walk through spilled material. 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** Prevent any material from entering drains or waterways.

### 6.3 Methods and material for containment and cleaning up

**Spill clean up methods** Wear appropriate personal protective equipment as specified in Section 8. Prevent further leakage or spillage if safe to do so. Ventilate and evacuate the area. Eliminate all sources of ignition. Dam and absorb spillage using a spill kit, sand, earth or other non-combustible material. Prevent entry to into sewers, water course, basement or confined areas. Use non sparking tools or equipment. Recover by pumping or with suitable absorbent. Place spilled material into suitable labelled sealed containers. Remove waste promptly to a safe area.

### 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.

---

## Section 7: Handling and storage

---

### 7.1 Precautions for safe handling

**Handling** Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Wear suitable personal protective equipment, as detailed in Section 8. Keep away from heat, sparks and open flame. Earth all equipment. Use only non-sparking tools. Avoid contact with skin and eyes. Avoid inhalation of vapours. Do not use contact lenses. Avoid prolonged or repeated contact. Read and follow manufacturer's recommendations. Keep container tightly closed.

**7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Store in tightly closed original container in a cool, dry and well-ventilated place. Keep upright, locked up and out of reach of children. Keep away from incompatible materials (see section 10). Protect against static discharge and keep away from sources of ignition.
<b>Storage class</b>	Flammable liquid storage.

**7.3 Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	Use only according to directions. Replace and tighten cap after use.

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

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
<b>1-methoxy-2-propanol monopropylene glycol methyl ether</b>	OEL	100 ppm	375 mg/m <sup>3</sup>	150 ppm	568 mg/m <sup>3</sup>	
<b>2-butanone oxime ethyl methyl ketoxime ethyl methyl ketone oxime</b>	OEL	3 ppm	10 mg/m <sup>3</sup>	10 ppm	33 mg/m <sup>3</sup>	
<b>nonane</b>	OEL	200 ppm	1050 mg/m <sup>3</sup>			

**Ingredient comments** Ireland, Occupational Exposure Limits 2018.

**8.2 Exposure Controls**

<b>Protective equipment</b>	
<b>Engineering measures</b>	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
<b>Respiratory equipment</b>	Use respirators and components tested and approved under appropriate government standards such as CEN (EU).
<b>Hand protection</b>	Handle in accordance with good industrial hygiene and safety practices. Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Nitrile rubber. Breakthrough time: > 480 min Layer thickness: 0.33 mm.
<b>Eye protection</b>	Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
<b>Other protection</b>	Wear suitable protective clothing as protection against splashing or contamination.
<b>Hygiene measures</b>	DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
<b>Process conditions</b>	Ensure that eye flushing systems and safety showers are located close by in the work place.

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

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Hydrocarbon, (slight).
<b>Odour threshold - lower</b>	No information available.
<b>Odour threshold - upper</b>	No information available.
<b>pH-Value, Conc. Solution</b>	No information available.
<b>pH-Value, Diluted solution</b>	No information available.
<b>Melting point</b>	May start to solidify at the following temperature: -15°C This is based on data for the

	following ingredient: Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics. Weighted average: -58.56°C
<b>Initial boiling point and boiling range</b>	>142°C
<b>Flash point</b>	40.00 °C
<b>Evaporation rate</b>	No information available.
<b>Flammability state</b>	No information available.
<b>Flammability limit - lower(%)</b>	No information available.
<b>Flammability limit - upper(%)</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density (air=1)</b>	No information available.
<b>Relative density</b>	0.92 +/- 0.06
<b>Bulk density</b>	No information available.
<b>Solubility</b>	Insoluble in cold water
<b>Decomposition temperature</b>	No information available.
<b>Partition coefficient; n-Octanol/Water</b>	No information available.
<b>Auto ignition temperature (°C)</b>	Lowest known value: >230°C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ).
<b>Viscosity</b>	Kinematic (40°C): >0.27 cm <sup>2</sup> /s
<b>Explosive properties</b>	Not classified as explosive.
<b>Oxidising properties</b>	No information available.

## **9.2 Other information**

<b>Molecular weight</b>	No information available.
<b>Volatile organic compound</b>	353.00 g/litre

---

## **Section 10: Stability and reactivity**

---

### **10.1 Reactivity**

<b>Reactivity</b>	No specific reactivity hazards associated with this product.
-------------------	--

### **10.2 Chemical stability**

<b>Stability</b>	Stable under normal temperature conditions and recommended use.
------------------	---

### **10.3 Possibility of hazardous reactions**

<b>Hazardous reactions</b>	Flammable liquid and vapour.
<b>Hazardous polymerisation</b>	No information available.
<b>Polymerisation description</b>	Unknown.

### **10.4 Conditions to Avoid**

<b>Conditions to avoid</b>	Heat, sparks, open flames, temperature extremes and direct sunlight.
----------------------------	--

**10.5 Incompatible materials**

**Materials to avoid** Do not mix with other chemicals unless listed on directions.

**10.6 Hazardous decomposition products**

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other harmful gases or vapors.

**Section 11: Toxicological information****11.1 Information on toxicological effects**

<b>Toxicological information</b>	No Information available.
<b>Acute toxicity (Oral LD50)</b>	No information available.
<b>Acute toxicity (Dermal LD50)</b>	No information available.
<b>Acute toxicity (Inhalation LD50)</b>	No information available.
<b>Serious eye damage/irritation</b>	Product is not classified as an eye irritant.
<b>Skin corrosion/irritation</b>	No information available.
<b>Respiratory sensitisation</b>	No information available.
<b>Skin sensitisation</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Specific target organ toxicity - Single exposure:</b>	
<b>STOT - Single exposure</b>	No information available.
<b>Specific target organ toxicity - Repeated exposure:</b>	
<b>STOT - Repeated exposure</b>	No information available.
<b>Inhalation</b>	No specific symptoms noted
<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b>Skin contact</b>	No specific symptoms noted.
<b>Eye contact</b>	No specific symptoms noted.
<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
<b>Routes of entry</b>	No information available.
<b>Target organs</b>	Respiratory system, lungs.
<b>Aspiration hazards:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.

**Section 12: Ecological information****12.1 Toxicity**

<b>Acute toxicity - Fish</b>	No information available.
<b>Acute toxicity - Aquatic invertebrates</b>	No information available.
<b>Acute toxicity - Aquatic plants</b>	No information available.
<b>Acute toxicity - Microorganisms</b>	No information available.
<b>Chronic toxicity - Fish</b>	No information available.
<b>Chronic toxicity - Aquatic invertebrates</b>	No information available.
<b>Chronic toxicity - Aquatic plants</b>	No information available.
<b>Chronic toxicity - Microorganisms</b>	No information available.
<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Eco toxicological information</b>	No ecological toxicity available on the overall finished product.

**12.2 Persistence and degradability**

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

**12.3 Bioaccumulative potential**

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

**12.4 Mobility in soil**

<b>Mobility</b>	No information available.
-----------------	---------------------------

**12.5 Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** The product does not contain any PBT or vPvB Substances.

**12.6 Other adverse effects**

<b>Other adverse effects</b>	None known.
------------------------------	-------------

**Section 13: Disposal considerations**

<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
-------------------------	--

**13.1 Waste treatment methods**

<b>Disposal methods</b>	Dispose of waste and residues in accordance with local authority requirements. For waste disposal, use a licensed industrial waste disposal agent.
-------------------------	--

**Section 14: Transport information****14.1 UN number**

<b>UN no. (ADR)</b>	UN1263
<b>UN no. (IMDG)</b>	UN1263
<b>UN no. (IATA)</b>	UN1263

**14.2 UN proper shipping name**

<b>ADR proper shipping name</b>	PAINT or PAINT RELATED MATERIAL
<b>IMDG proper shipping name</b>	PAINT or PAINT RELATED MATERIAL
<b>IATA proper shipping name</b>	PAINT

**14.3 Transport hazard class(es)**

<b>ADR class</b>	3
<b>IMDG class</b>	3
<b>IATA class</b>	3

**Transport labels**

**14.4 Packing group**

<b>ADR/RID/ADN packing group</b>	III
<b>IMDG packing group</b>	III
<b>IATA packing group</b>	III

**14.5 Environmental hazards**

ADR	No
IMDG	No
IATA	No

**14.6 Special precautions for user**

EMS	F-E, S-E
Emergency action code	A3 A72 A192
Hazard no. (ADR)	30
Tunnel restriction code	(D/E)

**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.
Approved code of practice	2018 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of 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	07 March 2019
Revision	1
Safety data sheet status	Approved.

**Hazard statements in full**

<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.
<b>H226</b>	Flammable liquid and vapour.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H361</b>	Suspected of damaging fertility or the unborn child .
<b>H312</b>	Harmful in contact with skin.
<b>H317</b>	May cause an allergic skin reaction.
<b>H318</b>	Causes serious eye damage.
<b>H351</b>	Suspected of causing cancer .
<b>H335</b>	May cause respiratory irritation.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H315</b>	Causes skin irritation.
<b>H360</b>	May damage fertility or the unborn child .
<b>H410</b>	Very toxic to aquatic life with long lasting effects.

**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.