

Product Mould Preventing Paint
 Revision date 17 April 2020
 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	Mould Preventing Paint
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	%
titanium dioxide	CAS-No.: 13463-67-7 EC No.: 236-675-5		20-25%
propane-1,2-diol	CAS-No.: 57-55-6 EC No.: 200-338-0 REACH Reg No.: 01-2119456809-23-0000		1-5%
2-(2-butoxyethoxy)ethanol	CAS-No.: 112-34-5 EC No.: 203-961-6 REACH Reg No.: 01-2119475104-44-XXXX	Eye Irrit.2A - H319	0.1-0.9%
2-aminoethanol ethanolamine > 5%	CAS-No.: 141-43-5 EC No.: 205-483-3	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Corr. 1B - H314, STOT SE 3 - H335	0.1-0.9%
2,2',2''-nitrilotriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8 REACH Reg No.: 01-2119486482-31-XXXX		0.1-0.9%
ammonia 0.1018%	CAS-No.: 1336-21-6 EC No.: 215-647-6	Skin Corr. 1B - H314, Aquatic Acute 1 - H400	0.1-0.9%
diuron (ISO) 3-(3,4-dichlorophenyl)-,1-dimethylurea	CAS-No.: 330-54-1 EC No.: 206-354-4	Acute Tox 4 - H302, Carc. 2 - H351, STOT RE 2 - H373, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%
zinc oxide	CAS-No.: 1314-13-2 EC No.: 215-222-5 REACH Reg No.: 01-2119463881-32-0000	Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%
2,2'-iminodiethylamine	CAS-No.: 111-40-0 EC No.: 203-865-4 REACH Reg No.: 01-2119473793-27	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 2 - H330, Skin Corr. 1B - H314, Skin. Sens 1 - H317, STOT SE 3 - H335	<0.1%
formaldehyde 0.0005%	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	<0.001%

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**

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.

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort or breathing difficulties develop.

Ingestion

Rinse mouth out and then drink plenty of water. Seek medical attention.

Skin contact

Remove affected person from source of contamination. Wash exposed area with soap and water. Get medical attention if irritation develops or persists.

Eye contact

Remove contact lenses if present and easy to do so. Hold eye lids open. Rinse with a gentle stream water for at least 15 minutes. Seek medical attention.

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

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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. Use fire-extinguishing media appropriate for surrounding materials. Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	None Known.
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. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so.
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	Wear protective clothing as described in Section 8 of this safety data sheet.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Avoid discharge in to drains and water courses.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Stop leak if possible without risk. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage.
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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	Read and follow manufacturer's recommendations. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Do not eat, drink or smoke when using the product. Avoid spilling, skin and eye contact. Ensure adequate ventilation. 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 tightly closed original container in a cool, dry and well-ventilated place. Keep upright, locked up and out of reach of children.
Storage class	Unspecified storage.

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. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
titanium dioxide	OEL		10 mg/m ³			
titanium dioxide	OEL		4 mg/m ³			
titanium dioxide	WEL		10 inhalable aerosol mg/m ³			
titanium dioxide	WEL		4 respirable aerosol mg/m ³			
propane-1,2-diol	OEL	150 ppm	470 mg/m ³			
propane-1,2-diol	OEL		10 mg/m ³			
propane-1,2-diol	WEL		10 mg/m ³			
propane-1,2-diol	WEL	150 ppm	474 mg/m ³			
2-(2-butoxyethoxy)ethanol	WEL	10 ppm	67,5 mg/m ³	15 ppm	101,2 mg/m ³	
2-(2-butoxyethoxy)ethanol	OEL	10 ppm	67.5 mg/m ³	12 ppm	101.2 mg/m ³	IOELV
2-aminoethanol ethanolamine > 5%	OEL	1 ppm	2.5 mg/m ³	3 ppm	7.6 mg/m ³	Sk, IOELV
2-aminoethanol ethanolamine > 5%	WEL	1 ppm	2,5 mg/m ³	3 ppm	7,6 mg/m ³	Sk
2,2',2''-nitrioltriethanol	OEL		5 mg/m ³			
diuron (ISO) 3-(3,4-dichlorophenyl)--,1-dimethylurea	OEL		10 mg/m ³			
diuron (ISO) 3-(3,4-dichlorophenyl)--,1-dimethylurea	WEL		10 mg/m ³			
zinc oxide	OEL		2 (R) mg/m ³		10 mg/m ³	
2,2'-iminodiethylamine	OEL	1 ppm	4 mg/m ³			Sk
2,2'-iminodiethylamine	WEL	1 ppm	4,3 mg/m ³			Sk
formaldehyde 0.0005%	OEL	0.2 ppm		0.4 ppm		BOELV, Carc 1B, Sens, Limit value 0.5ppm/0.62mg/m ³ for the healthcare, funeral and embalming sectors until 11 July 202420.
formaldehyde 0.0005%	WEL	2 ppm	2,5 mg/m ³	2 ppm	2,5 mg/m ³	Carc

Ingredient comments

Ireland, Occupational Exposure Limits 2020.
Workplace Exposure Limits Guidance Note EH40/2005.

8.2 Exposure Controls

Protective equipment



Engineering measures

Observe occupational exposure limits and minimize the risk of inhalation of dust. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use suitable protective gloves if there is a risk of skin contact. Consult manufacturer for specific advice. Suggested material: Nitrile rubber gloves. Layer thickness: 0.11mm. Breakthrough time: >480 min.

Eye protection

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

Other protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands and / or face before breaks and at the end of the shift. Do not eat, drink, or smoke while using this product. Avoid contact with skin, eyes and clothing.

Process conditions

Use only according to directions. 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

Appearance	Viscous liquid.
Colour	White
Odour	Faint odour.
Odour threshold - lower	No information available as testing has not been completed on the finished product.
Odour threshold - upper	No information available as testing has not been completed on the finished product.
pH-Value, Conc. Solution	>8.1
pH-Value, Diluted solution	No information available as testing has not been completed on the finished product.
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	Not applicable.
Evaporation rate	Not applicable.
Flammability state	Non flammable
Flammability limit - lower(%)	No information available as testing has not been completed on the finished product.
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	1.3
Bulk density	Not applicable as the product is a liquid.
Solubility	Partially soluble in cold water.
Decomposition temperature	Stable under normal handling and storage conditions
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed on the finished product.
Auto ignition temperature (°C)	Not applicable.
Viscosity	Kinematic (40°C): >0.21 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	Not applicable as the product is a mixture.
Volatile organic compound	50.00 g/litre
Other information	Volume solids: 37.0% +/- 1.0%. Weight Solids: 53.0% +/- 1.0%.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions For information on hazardous reactions see section 10.1.
Hazardous polymerisation Unknown.
Polymerisation description Unknown.

10.4 Conditions to Avoid

Conditions to avoid No specific conditions to avoid are noted.

10.5 Incompatible materials

Materials to avoid Do not mix with other chemicals unless listed on directions. Strong oxidising substances.

10.6 Hazardous decomposition products

Hazardous decomposition products When heated, vapours/gases hazardous to health may be formed.

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 as testing has not been completed on the finished product.
Acute toxicity (Dermal LD50) No information available as testing has not been completed on the finished product.
Acute toxicity (Inhalation LD50) No information available as testing has not been completed on the finished product.

Serious eye damage/irritation Product is not classified as an eye irritant.

Skin corrosion/irritation The product is not classified as a skin corrosion/irritation hazard.

Respiratory sensitisation The product is not classified as a respiratory hazard.
Skin sensitisation The product is not classified as a skin sensitisation hazard.

Germ cell mutagenicity The product is not classified as a mutagen.

Carcinogenicity The product is not classified as a carcinogen hazard.

Specific target organ toxicity - Single exposure:
STOT - Single exposure The product is not classified as a single exposure specific target organ toxin.
Specific target organ toxicity - Repeated exposure:
STOT - Repeated exposure The product is not classified as a repeat exposure specific target organ toxin.

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 Eyes, skin, ingestion or inhalation.
Target organs No target organs specified.

Aspiration hazards: The product is not classified as an aspiration hazard.
Reproductive toxicity: The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
propane-1,2-diol	22000.00mg/kg Rat	>2000.00mg/kg Rabbit	
2-(2-butoxyethoxy)ethanol	>2000.00mg/kg Rat 3305.00mg/kg Rat	>2000.00mg/kg Rabbit 2764.00mg/kg Rabbit	
formaldehyde 0.0005%	>200.00mg/kg Rat		

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available as testing has not been completed on the finished product.
Acute toxicity - Aquatic invertebrates	No information available as testing has not been completed on the finished product.
Acute toxicity - Aquatic plants	No information available as testing has not been completed on the finished product.
Acute toxicity - Microorganisms	No information available as testing has not been completed on the finished product.
Chronic toxicity - Fish	No information available as testing has not been completed on the finished product.
Chronic toxicity - Aquatic invertebrates	No information available as testing has not been completed on the finished product.
Chronic toxicity - Aquatic plants	No information available as testing has not been completed on the finished product.
Chronic toxicity - Microorganisms	No information available as testing has not been completed on the finished product.
Ecotoxicity	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.
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 as testing has not been completed on the finished product.
Chemical oxygen demand	No information available as testing has not been completed on the finished product.

12.3 Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available as testing has not been completed on the finished product.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed on the finished product.

12.4 Mobility in soil

Mobility	Partially soluble in cold water.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	The product does not contain any PBT or vPvB Substances.
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12.6 Other adverse effects

Other adverse effects	None known.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
propane-1,2-diol	LC50 96 Hours 40613.00mg/l Onchorhynchus mykiss (Rainbow Trout)		
2-(2-butoxyethoxy)ethanol	LC50 96 Hours 1300.00mg/l Lepomis macrochirus (Bluegill)	EC50 48 Hours >100.00mg/l Daphnia magna EC50 48 Hours >100.00mg/l Daphnia magna	
diuron (ISO) 3-(3,4-dichlorophenyl)-,1-dimethylurea	LC50 96 Hours 14.70mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 1.40mg/l Daphnia magna	EC50 72 Hours 0.02mg/l Scenedesmus Subspicatus
zinc oxide	LC50 96 Hours 0.14mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 0.17mg/l Daphnia magna	

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. For waste disposal, use a licensed industrial waste disposal agent.
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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

Not applicable.

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	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
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Workplace Exposure Limits Guidance Note EH40/2005.

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	17 April 2020
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H319	Causes serious eye irritation.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
H351	Suspected of causing cancer .
H373	May cause damage to organs through prolonged or repeated exposure .
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H318	Causes serious eye damage.
H310	Fatal in contact with skin.
H330	Fatal 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.