

Product Premium Matt
 Revision date 07 November 2019
 Revision 2



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	Premium Matt
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	Any other purpose.

1.3 Details of the supplier of the safety data sheet

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

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 REACH Reg No.: 01-2119489379-17-XXXX		10-30%
calcium carbonate	CAS-No.: 471-34-1 EC No.: 207-439-9 REACH Reg No.: 01-2119486795-18-XXXX		1-10%
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%
2,2'-oxydiethanol	CAS-No.: 111-46-6 EC No.: 203-872-2 REACH Reg No.: 01-2119457857-21-0000	Acute Tox 4 - H302, STOT RE 2 - H373	<1%
tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione	CAS-No.: 5395-50-6 EC No.: 226-408-0	Skin. Sens 1 - H317	<1%
diiron trioxide	CAS-No.: 1309-37-1 EC No.: 215-168-2		<1%
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	<1%
2,2',2''-nitrilotriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8		<1%
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	CAS-No.: 12001-26-2 EC No.:		<1%
cristobalite	CAS-No.: 14464-46-1 EC No.: 238-455-4	STOT RE 1 - H372	<1%
Quartz (SiO ₂)	CAS-No.: 14808-60-7 EC No.: 238-878-4		<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**

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 continues.

Ingestion

Rinse mouth with water, and then drink two glasses of water. Get medical attention if discomfort occurs.

Skin contact

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

Eye contact

Avoid contaminating unaffected eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eye(s) with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get 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

Inhalation of mist or vapor may cause respiratory tract irritation.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Prolonged contact may cause redness and/or tearing.

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. Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media

None noted.

5.2 Special hazards arising from the substance or mixture**Hazardous combustion products**

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

Unusual fire & explosion hazards

No unusual fire or explosion hazards noted.

Specific hazards

In case of fire, toxic gases may be formed (COx, NOx).

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. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Do not smoke, eat or drink while using this product. Wash hands after use. Do not smoke, use open fire or other sources of ignition.

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 onto the ground or into water courses.

6.3 Methods and material for containment and cleaning up**Spill clean up methods**

Stop leak if possible without risk. Wear necessary protective equipment. Ventilate area. Eliminate all ignition sources. Absorb spillage with non-combustible, absorbent material - sand. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Flush with plenty of water to clean spillage 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**

Wear suitable personal protective equipment, as detailed in Section 8. Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Avoid inhalation of vapours. Do not use contact lenses. Keep away from heat, sparks and open flame. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Ensure adequate ventilation. Do not eat, drink or smoke when using the product.

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. Keep upright, locked up and out of reach of children. Store in cool dry areas away from direct sunlight or sources of ignition. Store away from other chemicals.

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			total inhalable dust
titanium dioxide	OEL		4 mg/m ³			respirable dust
2,2'-oxydiethanol	WEL	23 ppm	101 mg/m ³			
2,2'-oxydiethanol	OEL	23 ppm	100 mg/m ³			
diiron trioxide	WEL		5 mg/m ³		10 mg/m ³	
diiron trioxide	OEL		5 mg/m ³		10 mg/m ³	
titanium dioxide	WEL		10 mg/m ³			total inhalable
titanium dioxide	WEL		4 mg/m ³			respirable
2-aminoethanol ethanolamine > 5%	WEL	1 ppm	2.5 mg/m ³	3 ppm	7.6 mg/m ³	
2-aminoethanol ethanolamine > 5%	OEL	1 ppm	2.5 mg/m ³	3 ppm	7.6 mg/m ³	
2,2',2''-nitrilotriethanol	OEL		5 mg/m ³			
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	WEL		10 mg/m ³			total inhalable
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	WEL		0.8 mg/m ³			respirable
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	OEL		3 mg/m ³			
cristobalite	OEL		0.1 mg/m ³			
Quartz (SiO ₂)	OEL		0.1 mg/m ³			

Ingredient comments

Ireland, Occupational Exposure Limits 2018.
Workplace Exposure Limits Guidance Note EH40/2005.

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

Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143, and suitable respirator cartridges as a backup to engineering controls. Use appropriate combined filter (e.g. where aerosols are in use, or where mist may occur: Type A-P2 or ABEK-P2), in compliance with EN 141/143. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Hand protection

Where prolonged or repeated hand contact with the product may occur use gloves approved to relevant standards (e.g. Europe: EN374). Recommended: PVA, Nitrile or Viton protective gloves to prevent skin contact. Break through time: >480 minutes. Layer thickness: 0.11 mm. Consult manufacturer for specific advice on material.

Eye protection	Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Gloves must be inspected prior to use. 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.
Other protection	Wear safety goggles to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
Hygiene measures	Wear appropriate clothing to prevent skin contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Immediately take off any contaminated clothing and launder before re-use.
Process conditions	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 opaque.
Odour	Slight.
Odour threshold - lower	No information available as testing has not been completed.
Odour threshold - upper	No information available as testing has not been completed.
pH-Value, Conc. Solution	7.5 - 9.0
pH-Value, Diluted solution	No information available as testing has not been completed.
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.
Flammability limit - 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	1.34g/cm ³ @ 20.00 °C
Bulk density	Stable under normal handling and storage conditions.
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.
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	No information available as testing has not been completed.
Volatile organic compound	8.00 g/litre
Other information	Volume solids: 36.0% +/- 1.0%

Section 10: Stability and reactivity**10.1 Reactivity**

Reactivity	Reaction with: strong oxidising substances and acids.
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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	For information on hazardous reaction see section 10.1.
Hazardous polymerisation	Unknown.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	Heat, sparks, open flames, temperature extremes and direct sunlight.
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10.5 Incompatible materials

Materials to avoid	Avoid contact with strong oxidising / reducing agents, strong acids and strong bases. Do not mix with other chemicals unless listed on directions.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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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 as testing has not been completed.
Acute toxicity (Dermal LD50)	No information available as testing has not been completed.
Acute toxicity (Inhalation LD50)	No information available as testing has not been completed.
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	Inhalation of mist or vapor may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Prolonged contact may cause redness and/or tearing.

Waste management

When handling waste, consideration should be made to the safety precautions applying to handling of the product. The generation of waste should be avoided or minimised wherever possible. Do not pour into drains or waterways. Where practical, waste or surplus material should be recovered and recycled.

Routes of entry

Eye and skin contact, 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
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	500.00mg/kg Rat		
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	6500.00mg/kg Rat	15200.00mg/kg Rabbit	
calcium carbonate	>2000.00mg/kg Rat	>2000.00mg/kg Rat	>3.00mg/l (dust/mist) Rat 4 Hours

Section 12: Ecological information**12.1 Toxicity****Acute toxicity - Fish**

No information available as testing has not been completed.

Acute toxicity - Aquatic invertebrates

No information available as testing has not been completed.

Acute toxicity - Aquatic plants

No information available as testing has not been completed.

Acute toxicity - Microorganisms

No information available as testing has not been completed.

Chronic toxicity - Fish

No information available as testing has not been completed.

Chronic toxicity - Aquatic invertebrates

No information available as testing has not been completed.

Chronic toxicity - Aquatic plants

No information available as testing has not been completed.

Chronic toxicity - Microorganisms

No information available as testing has not been completed.

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

No ecological toxicity available on the overall finished product.

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.

Chemical oxygen demand

No information available as testing has not been completed.

12.3 Bioaccumulative potential**Bioaccumulative potential**

No data available on bioaccumulation.

Bioaccumulation factor

No information available as testing has not been completed.

Partition coefficient; n-

No information available as testing has not been completed.

Octanol/Water**12.4 Mobility in soil****Mobility**

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**Other adverse effects**

None known.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione	LC50 96 Hours 17.60mg/l Brachydanio rerio (Zebra Fish)	EC50 48 Hours >38.90mg/l Daphnia magna	
titanium dioxide		EC50 48 Hours >1000.00mg/l Daphnia magna	
isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	LC50 96 Hours >19.00mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 147.80mg/l Daphnia magna	
calcium carbonate	LC50 96 Hours >56000.00mg/l Freshwater Fish	EC50 48 Hours >1000.00mg/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. The generation of waste should be avoided or minimised wherever possible. Do not pour into drains or waterways. Where practical, waste or surplus material should be recovered and recycled.

13.1 Waste treatment methods

Disposal methods

Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

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

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.
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). 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 second issue. [3]Information updated. [8]Information updated. [9]Information updated. [11]Information updated. [12]Information updated. [15]Information updated.
Revision date	07 November 2019
Supersedes date	11 April 2018
Revision	2
Safety data sheet status	Approved.

Hazard statements in full

H412	Harmful to aquatic life with long lasting effects.
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure .
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure .

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.