

Product Premium Matt  
 Revision date 11 April 2018  
 Revision 1



## Safety Data Sheet (SDS)

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

#### 1.1 Product identifier

<b>Product name</b>	<b>Premium Matt</b>
<b>Synonyms, Trade names</b>	No information available.

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

<b>Identified uses</b>	Paint or paint related material.
<b>Uses advised against</b>	Any other purpose.

#### 1.3 Details of the supplier of the safety data sheet

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

#### 1.4 Emergency telephone number

<b>Emergency telephone</b>	+ 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

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

#### 2.2 Label elements

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

#### 2.3 Other hazards

This product is not classified as hazardous. The information in this datasheet is given for guidance only.

### 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		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		<0.1%
titanium dioxide	CAS-No.: 13463-67-7 EC No.: 236-675-5		<0.1%
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	CAS-No.: 12001-26-2 EC No.:		<0.1%
crystalite	CAS-No.: 14464-46-1 EC No.: 238-455-4	STOT RE 1 - H372	<0.01%
Quartz (SiO <sub>2</sub> )	CAS-No.: 14808-60-7 EC No.: 238-878-4		<0.01%

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.
<b>Inhalation</b>	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth with water, and then drink two glasses of water. Get medical attention if discomfort occurs.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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**

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Inhalation of mist or vapor may cause respiratory tract irritation.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	Prolonged contact may cause redness and/or tearing.

**4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to the physician</b>	Treat symptomatically.
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**Section 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials. Water spray, foam, dry powder or carbon dioxide.
<b>Unsuitable extinguishing media</b>	None noted.

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

<b>Hazardous combustion products</b>	When heated, vapours/gases hazardous to health may be formed.
<b>Unusual fire &amp; explosion hazards</b>	No unusual fire or explosion hazards noted.
<b>Specific hazards</b>	In case of fire, toxic gases may be formed (CO <sub>x</sub> , NO <sub>x</sub> ).

**5.3 Advice for firefighters**

<b>Special fire fighting procedures</b>	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.
<b>Protective equipment for firefighters</b>	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**

<b>Personal precautions</b>	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.
<b>For emergency responders</b>	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

**6.2 Environmental precautions**

<b>Environmental precautions</b>	Do not discharge onto the ground or into water courses.
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**6.3 Methods and material for containment and cleaning up**

<b>Spill clean up methods</b>	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.
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**6.4 Reference to other sections**

<b>Reference to other sections</b>	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**

<b>Handling</b>	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.
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**7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	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.
<b>Storage class</b>	Unspecified storage.

**7.3 Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.
<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
2,2'-oxydiethanol	OEL	23 ppm	100 mg/m <sup>3</sup>		
diiron trioxide	OEL		5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	Fume (as Fe).
diiron trioxide	OEL		10 mg/m <sup>3</sup>		Total inhalable dust.
diiron trioxide	OEL		4 mg/m <sup>3</sup>		Respirable dust.
titanium dioxide	OEL		10 mg/m <sup>3</sup>		Total inhalable dust.
titanium dioxide	OEL		4 mg/m <sup>3</sup>		Respirable dust.
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	OEL		10 mg/m <sup>3</sup>		Total inhalable dust.
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	OEL		0.8 mg/m <sup>3</sup>		Respirable dust.
crystalite	OEL		0.1 mg/m <sup>3</sup>		Respirable dust.
crystalite	OEL		0.1 mg/m <sup>3</sup>		Silica, crystalline, respirable dust.
Quartz (SiO <sub>2</sub> )	OEL		0.1 mg/m <sup>3</sup>		Respirable dust.

#### Ingredient comments

Ireland, Occupational Exposure Limits 2016.

This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of occupational exposure limits for all substances to which they apply in the mixture, regardless of the physical state of the overall mixture. Occupational exposure may not apply in all cases, for example for dusts which are dissolved in liquids. Therefore monitoring may be required to determine the airborne concentrations of substances with exposure limits.

### 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.

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.

#### Eye 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).

#### Other protection

Wear appropriate clothing to prevent skin contact.

#### Hygiene measures

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.

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**Section 9: Physical and chemical properties**


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**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Various.
<b>Odour</b>	Slight.
<b>Odour threshold - lower</b>	No information available.
<b>Odour threshold - upper</b>	No information available.
<b>pH-Value, Conc. Solution</b>	>8.5.
<b>pH-Value, Diluted solution</b>	No information available.
<b>Melting point</b>	No information available.
<b>Initial boiling point and boiling range</b>	>38°C.
<b>Flash point</b>	Not applicable.
<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>	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).
<b>Vapour density (air=1)</b>	Highest known value: 7.5 (air). Isobutyric acid, monoester.
<b>Relative density</b>	1.35g/cm <sup>3</sup> @ 20.00 °C
<b>Bulk density</b>	No information available.
<b>Solubility</b>	No information available.
<b>Decomposition temperature</b>	No information available.
<b>Partition coefficient; n-Octanol/Water</b>	No information available.
<b>Auto ignition temperature (°C)</b>	No information available.
<b>Viscosity</b>	>250.3 mm (iso 2431).
<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>	No information available.
<b>Other information</b>	None noted.

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**Section 10: Stability and reactivity**


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**10.1 Reactivity**

<b>Reactivity</b>	Reaction with: strong oxidising substances and acids.
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**10.2 Chemical stability**

<b>Stability</b>	Stable under normal temperature conditions and recommended use.
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**10.3 Possibility of hazardous reactions**

<b>Hazardous reactions</b>	For information on hazardous reaction see section 10.1.
<b>Hazardous polymerisation</b>	Unknown.
<b>Polymerisation description</b>	Unknown.

**10.4 Conditions to Avoid**

<b>Conditions to avoid</b>	Heat, sparks, open flames, temperature extremes and direct sunlight.
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**10.5 Incompatible materials**

<b>Materials to avoid</b>	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**

<b>Hazardous decomposition products</b>	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**

<b>Toxicological information</b>	No toxicological information for the overall finished product.
<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>	Inhalation of mist or vapor may cause respiratory tract irritation.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	Prolonged contact may cause redness and/or tearing.
<b>Waste management</b>	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.
<b>Routes of entry</b>	No information available.
<b>Target organs</b>	No target organs specified.
<b>Aspiration hazards:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.

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		
titanium dioxide	5000.00mg/kg Rat		6.80mg/l (dust/mist) Rat 4 Hours

## 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.
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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.

### 12.6 Other adverse effects

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

## 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. 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.
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**13.1 Waste treatment methods**

<b>Disposal methods</b>	Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
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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**

<b>EU legislation</b>	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.
<b>Approved code of practice</b>	2016 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).
<b>Chemical safety assessment</b>	No chemical safety assessment has been carried out.

**Section 16: Other information**

<b>General information</b>	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
<b>Revision comments</b>	This is a first issue.
<b>Revision date</b>	11 April 2018
<b>Revision</b>	1



**Safety data sheet status**

Approved.

**Hazard statements in full**

<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H302</b>	Harmful if swallowed.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure .
<b>H317</b>	May cause an allergic skin reaction.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H318</b>	Causes serious eye damage.
<b>H400</b>	Very toxic to aquatic life.
<b>H301</b>	Toxic if swallowed.
<b>H311</b>	Toxic in contact with skin.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H330</b>	Fatal if inhaled.
<b>H372</b>	Causes damage to organs through prolonged or repeated exposure .
<b>H331</b>	Toxic if inhaled.
<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.