Product	Fleetwood Hi-Opacity Masonry
Revision date	27 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 Hi-Opacity Masonry**
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	Not available.

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	Not classified
Human health	Not classified
Environment	Aquatic Chronic 3 - H412

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	H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	**Prevention** P273 Avoid release to the environment. **Disposal** P501 Dispose of contents/ container to hazardous waste contractor.

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	%
Limestone	CAS-No.: 1317-65-3 EC No.: 215-279-6		10-30%
titanium dioxide	CAS-No.: 13463-67-7 EC No.: 236-675-5 REACH Reg No.: 01-2119489379-17-0002		1-10%
Talc (Mg3H2(SiO3)4)	CAS-No.: 14807-96-6 EC No.: 238-877-9		1-10%
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%
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	0-1%
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-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%
2,2',2''-nitrilotriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8		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%
cristobalite	CAS-No.: 14464-46-1 EC No.: 238-455-4	STOT RE 1 - H372	0-1%
Quartz (SiO2)	CAS-No.: 14808-60-7 EC No.: 238-878-4		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 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 burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If breathing is difficult, give oxygen. Seek medical attention. Keep person warm and at rest.

Ingestion If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention immediately! Never give anything by mouth to an unconscious person.

Skin contact Immediately wash with water, preferably under a shower, removing contaminated clothing while washing proceeds. Obtain medical attention if irritation persists or if blistering occurs. Contaminated clothing should be washed before re-use.

Eye contact Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Avoid contaminating unaffected eye. Remove contact lenses if present and easy to do so. 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	Use fire-extinguishing media appropriate for surrounding materials: Powder dry chemicals, carbon dioxide, foam spray.
Unsuitable extinguishing media	No unsuitable extinguishing media identified.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	No information available.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	No specific hazards are identified for the product.

5.3 Advice for firefighters

Special fire fighting procedures	If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Keep up-wind to avoid fumes. 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	Do not touch or walk through spilled material. Evacuate and ventilate area. Eliminate all sources of ignition. Use non-sparking hand tools and explosion proof electrical equipment. 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. In case of inadequate ventilation, use respiratory protection. Do not smoke, eat or drink while using this product. Keep unnecessary and unprotected personnel from entering.
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. DO NOT touch spilled material! Wear necessary protective equipment. Ventilate and evacuate the area. Eliminate all sources of ignition. 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 In case of a large scale of spill, dyke area with sand to stop the spill spreading. Wash work area with water.

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 Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Do not use contact lenses. Avoid contact with skin and eyes. Avoid inhalation of vapours. Avoid prolonged or repeated contact. Provide good ventilation.
Wear personal protective equipment. Handle and open container with care. Do not mix with other chemicals. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Close container tightly and store in dry, cool and dark place away from direct sunlight. Keep upright, locked up and out of reach of children.

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

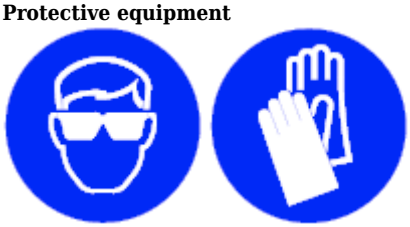
8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Limestone	OEL		10 mg/m³			
Limestone	OEL		4 mg/m³			
Talc (Mg3H2(SiO3)4)	OEL		10 mg/m³			
Talc (Mg3H2(SiO3)4)	OEL		0.8 mg/m³			
diiron trioxide	OEL		5 mg/m³		10 mg/m³	
titanium dioxide	OEL		10 mg/m³			
titanium dioxide	OEL		4 mg/m³			
2,2'-oxydiethanol	OEL	23 ppm	100 mg/m³			
diuron (ISO) 3-(3,4-dichlorophenyl)--,1-dimethylurea	OEL		10 mg/m³			
zinc oxide	OEL		2 (R) mg/m³		10 mg/m³	
2-aminoethanol ethanolamine > 5%	OEL	1 ppm	2.5 mg/m³	3 ppm	7.6 mg/m³	
2,2',2''-nitrilotriethanol	OEL		5 mg/m³			
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	OEL		3 (R) mg/m³			
cristobalite	OEL		0.1 mg/m³			
Quartz (SiO2)	OEL		0.1 mg/m³			

Ingredient comments Ireland, Occupational Exposure Limits 2018.

8.2 Exposure Controls

Protective equipment



Engineering measures Provide adequate ventilation, including appropriate local extraction.

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 respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protection as specified by an industrial hygienist or other qualified professional if concentrations exceed the limits listed in Section 8.

Hand protection Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. Gloves must be inspected prior to use. Consult manufacturer for specific advice.

	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 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).
Other protection	Wear appropriate clothing to prevent any possibility of skin contact. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist.
Hygiene measures	Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work. Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Wash promptly if skin becomes wet or contaminated.
Process conditions	Ensure that eye flushing systems 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	Faint.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	7.5 - 9
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	38 °C
Flash point	Closed cup: Not applicable. (Product does not sustain combustion.)
Evaporation rate	No information available.
Flammability state	Not 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	1.55
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): >0.21 cm2/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	4.00 g/litre

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Stable under recommended transport and storage conditions and under recommended use.

10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions	Unknown.
Hazardous polymerisation	No information available.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	None known.

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	Not available.

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	The product contains a substance which is toxic to aquatic life with long lasting effects.
Eco toxilogical information	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

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.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects	No information available.

Section 13: Disposal considerations

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

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.

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	Yes
IMDG	Yes
IATA	Yes

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.
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	27 March 2019
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H412	Harmful to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure .

H351	Suspected of causing cancer .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H330	Fatal if inhaled.
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.