

Product Advanced Primer Undercoat
 Revision date 08 May 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 Advanced Primer Undercoat
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)

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
EUH statements EUH208 Contains tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione. May produce an allergic reaction.

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 | | 20-30% |
| Talc (Mg ₃ H ₂ (SiO ₃) ₄) | CAS-No.: 14807-96-6 EC No.: 238-877-9 | | 1-5% |
| diiron trioxide | CAS-No.: 1309-37-1 EC No.: 215-168-2 | | 0.1-0.9% |
| 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 | 0.1-0.9% |

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

May cause an allergic skin reaction.

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. |
|----------------------------------|---|

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. |
|-------------------------------|---|

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 | 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). |
|-----------------|--|

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 | | | |
| Talc (Mg ₃ H ₂ (SiO ₃) ₄) | OEL | | 10 mg/m ³ | | | |
| Talc (Mg ₃ H ₂ (SiO ₃) ₄) | OEL | | 0.8 mg/m ³ | | | |
| Talc (Mg ₃ H ₂ (SiO ₃) ₄) | WEL | | 1 respirable aerosol mg/m ³ | | | |
| diiron trioxide | OEL | | 5 mg/m ³ | | 10 mg/m ³ | |

| | | | | | | |
|-----------------|-----|--|--|--|----------------------|--|
| diiron trioxide | OEL | | 10 mg/m ³ | | | |
| diiron trioxide | OEL | | 4 mg/m ³ | | | |
| diiron trioxide | WEL | | 10 inhalable aerosol mg/m ³ | | | |
| diiron trioxide | WEL | | 4 respirable aerosol mg/m ³ | | | |
| diiron trioxide | WEL | | 5 mg/m ³ | | 10 mg/m ³ | |

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 & various colours. |
| Odour | Faint odour. |
| 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 | >8.1 |
| 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 | >142°C |
| Flash point | Closed cup: Not applicable. (Product does not sustain combustion.) |
| 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 | 1.34 |
| 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. |
| 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 | 7.00 g/litre |
| Other information | Volume solids: 34.0% +/- 1.0% Weight Solids: 51.0% +/- 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. |
| 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 | No specific symptoms noted. |
| Ingestion | No specific symptoms noted. |
| Skin contact | May cause an allergic skin reaction. |
| 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 | Eyes, skin, digestive system, respiratory system. |
| Aspiration hazards: | The product is not classified as an aspiration hazard. |
| Reproductive toxicity: | The product is not classified as a reproductive hazard. |

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 | The product is not classified as dangerous for the environment. |

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-Octanol/Water | No information available as testing has not been completed. |

12.4 Mobility in soil

| | |
|-----------------|----------------------------------|
| Mobility | Partially soluble in cold water. |
|-----------------|----------------------------------|

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. |
|------------------------------|-------------|

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 | 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 | 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) 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 | 08 May 2020 |
| Revision | 1 |
| Safety data sheet status | Approved. |

Hazard statements in full

| | |
|---------------|--|
| H317 | May cause an allergic skin reaction. |
| H301 | Toxic if swallowed. |
| H373 | May cause damage to organs through prolonged or repeated exposure . |
| H412 | Harmful to aquatic life with long lasting effects. |
| H302 | Harmful if swallowed. |
| H360 | May damage fertility or the unborn child . |
| H372 | Causes damage to organs through prolonged or repeated exposure . |
| H411 | Toxic to aquatic life with long lasting effects. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |
| H311 | Toxic in contact with skin. |
| H315 | Causes skin irritation. |
| EUH208 | Contains tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H-3H)-dione. May produce an allergic reaction. |

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.