Product Prestige Superior Soft Sheen

Revision Date 22/03/2016

Revision 1



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

Product NamePrestige Superior Soft SheenSynonyms, Trade NamesNo Information Available.

1.2 Use of the substance/preparation

Identifier UsesPaint or paint related material.Uses advised againstNo uses advised against are identified.

1.3 Company/undertaking identification

Supplier FSW Coatings Ltd

Virginia Co Cavan

Tel: 353 49854 7209

Contact Person info@fsw.ie

1.4 Emergency telephone

Emergency Telephone Emergency Contact Number + 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

2.3 Other Hazards

None known. This product is not classified as hazardous. The information in this datasheet is given for guidance only.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

| Name | Product Identifier | GHS Classification | % | ı |
|------|--------------------|--------------------|---|---|
|------|--------------------|--------------------|---|---|

| titanium dioxide | CAS-No.: 13463-67-7 EC No.: 236-675-5 REACH Reg No.: 01- 2119489379-17-0002 | | 10-30% |
|--|--|--|--------|
| calcium carbonate | CAS-No.: 471-34-1 EC No.: 207-439-9 | | 1-10% |
| propane-1,2-diol | CAS-No.: 57-55-6 EC No.: 200-338-0 REACH Reg No.: 01- 2119456809-23-0000 | | 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-PHENYL-2-HEXENENITRILE Condensation product of urea-formaldehyde modified with diethylene glycol, containing up to 4.5% of free formaldehyde UREA, POLYMER WITH FORMALDEHYDE Urea, polymer with formaldehyde urea-formaldehyde resin | CAS-No.: 9011-05-6 EC No.: | | 1-10% |
| Polymeric reaction products of fatty acids and ethoxylated alcohols with diethylenetriamine and 2,5-furandione | CAS-No.: 1268617-32-8 EC No.: | Skin. Sens 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 | 0-1% |
| 2-aminoethanol ethanolamine | CAS-No.: 141-43-5 EC No.: 205-483-3 | Acute Tox 4 - H302, Acute Tox 4 - H312, Skin Corr. 1B - H314, Acute Tox 4 - H332 | |
| water | CAS-No.: 7732-18-5 EC No.: 231-791-2 | | 0-1% |
| Fatty acids, tall-oil, reaction products with diethylenetriamine | CAS-No.: 61790-69-0 EC No.: 263-160-2 | Skin Irrit.2 - H315, Eye Irrit.2A - H319 | 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% |
| 2-(2-butoxyethoxy)ethanol | CAS-No.: 112-34-5 EC No.: 203-961-6 REACH Reg No.: 01- 2119475104-44-0000 | Eye Irrit.2A - H319 | 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 | |
| pyrithione zinc | CAS-No.: 13463-41-7 EC No.: 236-671-3 | Acute Tox 3 - H301, Eye Dam. 1 - H318, Acute Tox 3 - H331, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 | |
| octhilinone (ISO) 2-octyl-2H-isothiazol-3-one | CAS-No.: 26530-20-1 EC No.: 247-761-7 | Acute Tox 4 - H302, Acute Tox 2 - H310, Skin Corr. 1B - H314, Skin. Sens 1 - H317, Acute Tox 3 - H331, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 | |
| 1,2-benzisothiazol-3(2H)-one 1,2- benzisothiazolin-3-one | CAS-No.: 2634-33-5 EC No.: 220-120-9 | Acute Tox 4 - H302, Skin Irrit.2 - H315, Skin. Sens 1 - H317, Eye Dam. 1 - H318, Aquatic Acute 1 - H400 | 0-1% |
| 2-methyl-2H-isothiazol-3-one | CAS-No.: 2682-20-4 EC No.: 220-239-6 | Acute Tox 3 - H301, Acute Tox 3 - H311, Skin Corr. 1B - H314, Skin. Sens 1 - H317, Eye Dam. 1 - H318, STOT SE 3 - H335, Aquatic Acute 1 - H400 | |
| formaldehyde % | 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 | 0-1% |
| 2,2'-iminodi(ethylamine) | CAS-No.: 111-40-0 EC No.: 203-865-4 REACH Reg No.: 01- 2119473793-27-0000 | Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 2 - H330, Skin Corr. 1B - H314, Eye Dam. 1 - H318, Skin. Sens 1 - H317, STOT SE 3 - H335 | 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.

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 thoroughly. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash

> the skin immediately with soap and water. Get medical attention if any discomfort continues. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get

medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General Information The product is not classified as hazardous. The severity of the symptoms described will vary

dependant of 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

Eve contact

Extinguishing Media Use fire-extinguishing media appropriate for surrounding materials. Use: 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

Unusual Fire & Explosion Hazards

Specific hazards

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

No unusual fire or explosion hazards noted.

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

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 or cooled with water.

Protective equipment for fire-

fighters

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 firefighters (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. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Follow safe handling advice and personal protective equipment recommendations

for normal use of product.

6.2 Environmental precautions

Environmental Precautions The product is not classified as hazardous for the environment, however the product should

not be dumped in nature but collected and delivered according to agreement with the local

authorities. Do not discharge into drains, water courses or onto the ground.

Spill Clean Up Methods Stop leak if possible without risk. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste is collected and removed from the

work area in a suitably labelled container.

6.4 Reference to other sections

Reference to other sections For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

Handling Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. 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 Storage

Storage Precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep

upright. Keep out of reach of children. Keep container tightly sealed when not in use. Store

away from direct sunlight or sources of ignition. Store away form other chemicals.

Unspecified storage.

7.3 Specific use(s)

Storage Class

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 Exposure limit values

| Component | STD | TWA (| 8 Hrs) | STEL (| 15mins) | Notes |
|--|-----|--------|-----------|--------|------------|---------------------------------|
| titanium dioxide | OEL | | 10mg/m3 | | | total inhalable dust |
| titanium dioxide | OEL | | 4mg/m3 | | | respirable dust |
| propane-1,2-diol | OEL | 150ppm | 470mg/m3 | | | total (vapour and particulates) |
| propane-1,2-diol | OEL | | 10mg/m3 | | | particulates |
| 2-aminoethanol ethanolamine | OEL | 1ppm | 2.5mg/m3 | 3ppm | 7.6mg/m3 | Sk, IOELV |
| diuron (ISO) 3-(3,4-dichlorophenyl),1-dimethylurea | OEL | | 10mg/m3 | | | - |
| 2-(2-butoxyethoxy)ethanol | OEL | 10ppm | 67.5mg/m3 | 15ppm | 101.2mg/m3 | IOELV |
| zinc oxide | OEL | | 2mg/m3 | | 10mg/m3 | - |
| formaldehyde % | OEL | 2ppm | 2.5mg/m3 | 2ppm | 2.5mg/m3 | - |
| 2,2'-iminodi(ethylamine) | OEL | 1ppm | 4mg/m3 | | | Sk |

OEL

Ingredient Comments Ireland, Occupational Exposure Limits 2011

8.2 Exposure controls





Engineering Measures Provide adequate ventilation, including appropriate local extraction, to ensure that the

defined occupational exposure limit is not exceeded.

Respiratory Equipment

Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator and suitable respirator cartridges as a backup to engineering controls. 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 NIOSH (US) or CEN (EU).

Hand Protection For prolonged or repeated skin contact use suitable protective gloves. Wear chemical

protective gloves that are in accordance with EN 374.

Eye Protection Wear approved chemical safety goggles where eye exposure is reasonably probable. Eye

protection equipment should be tested and approved according to regulations applicable,

like NIOSH (US) or EN 166 (EU).

Other Protection Wear appropriate clothing to prevent skin contact.

Hygiene Measures Wash hands before breaks and immediately after handling the product. When using, do not

eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin,

eyes and clothing.

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 General information

Appearance Viscous liquid.

Colour White.

Odour Slight characteristic paint odour.

Odour Threshold - Lower No Information available.

Odour Threshold - Upper No Information available.

pH-Value, Conc. Solution 8.4

pH-Value, Diluted Solution No Information available.

Melting point No Information available.

Initial boiling point and boiling

range

100.0 - 0.0 °C

Flash point No Information available.

Evaporation rate No Information available.

Flammability State No Information available.

Flammability Limit - Lower(%) No Information available.

Flammability Limit - Upper(%) No Information available.

Vapour pressure No Information available.

Vapour Density (air=1) No Information available.

Relative density 1.31g/cm3 @ 0.0

Bulk Density No Information available.

Solubility No information available.

Decomposition temperature No Information available.

Partition coefficient; n-octanol/water No Information available.

Auto Ignition Temperature (°C) No Information available.

Viscosity No Information available.

Explosive Properties No information available.

Oxidising properties No Information available.

9.2 Important health, safety and environmental information

Molecular Weight No Information available.

Volatile Organic Compound 50.0 g/litre

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 None under normal processing.

10.4 Conditions to Avoid

Conditions to Avoid Avoid exposure to extremes of temperature.

10.5 Materials to Avoid

Materials to Avoid Avoid contact with strong oxidising / reducing agents, strong acids and strong bases.

10.6 Hazardous Decomposition Products

Hazardous Decomposition Products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapours.

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 SensitisationNo Information available.Skin SensitisationNo Information available.

Germ Cell Mutagenicity: Genotoxicity - In Vitro Genotoxicity - In Vivo

Carcinogenicity No Information available.

Specific Target Organ Toxicity - Single Exposure:

STOT - Single Exposure No Information available.

Specific Target Organ Toxicity - Repeated Exposure:

STOT - Repeated ExposureNo Information available.

InhalationInhalation of mist or vapor may cause respiratory tract irritation.IngestionMay 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.

Routes of Entry No Information available.

Target Organs No target organs specified.

Aspiration Hazards: No Information available.

Reproductive Toxicity: No Information available.

| Name | LD50 Oral | II 1150 Harmal | LD50 Inhalation |
|---|-------------------|----------------------|--------------------|
| titanium dioxide | 10000.00mg/kg Rat | | |
| formaldehyde % | >200.00mg/kg Rat | | |
| isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol | 6500.00mg/kg Rat | 15200.00mg/kg Rabbit | |
| propane-1,2-diol | 22000.00mg/kg Rat | >2000.00mg/kg Rabbit | |
| 2-(2-butoxyethoxy)ethanol | 3305.00mg/kg Rat | 2764.00mg/kg Rabbit | |
| 2-aminoethanol ethanolamine | 1720.00mg/kg Rat | 1000.00mg/kg Rabbit | |

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

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.

12.2 Persistence and Degradability

DegradabilityNo information available.Biological Oxygen DemandNo Information available.Chemical Oxygen DemandNo Information available.

12.3 Bioaccumulative Potential

Bioaccumulative Potential No data available on bioaccumulation.

Bioacculmation Factor

Partition coefficient; n-octanol/water No Information available.

12.4 Mobility

Mobility No information available.

12.5 Results of PBT and vPvB Assessment

Results of PBT and vPvB Assessment No information available.

12.6 Other Adverse Effects

Other Adverse Effects No information available.

| Name | Acute Toxicity (Fish) | Acute Toxicity (Aquatic Invertebrates) | Acute Toxicity (Aquatic Plants) |
|---|---|---|---|
| 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 | |
| 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 96 Hours >100.00mg/l Scenedesmus Subspicatus |
| 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 |
| pyrithione zinc | LC50 96 Hours 0.15mg/l Onchorhynchus mykiss (Rainbow Trout) | EC50 48 Hours 0.05mg/l Daphnia magna | 72 Hours 0.07mg/l Selenastrum Capricornutum |
| octhilinone (ISO) 2-octyl-2H-isothiazol-3-one | LC50 96 Hours 0.03mg/l Onchorhynchus mykiss (Rainbow Trout) | EC50 48 Hours 0.42mg/l Daphnia magna | 72 Hours 0.08mg/l Scenedesmus Subspicatus |
| zinc oxide | LC50 96 Hours 0.14mg/l Onchorhynchus mykiss (Rainbow Trout) | EC50 48 Hours 0.17mg/l Daphnia magna | 72 Hours 0.14mg/l Selenastrum Capricornutum |

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.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

UN No. (ADR)
UN No. (IMDG)
Not applicable.
UN No. (IATA)
Not applicable.

14.2 UN Proper Shipping Name

ADR Proper Shipping Name
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

IMDG Packing Group

IATA Packing Group

Not applicable.

Not applicable.

14.5 Environmentally Hazardous Substance/Marine Pollutant

 ADR
 No

 IMDG
 No

 IATA
 No

14.6 Special Precautions for User

EMSNot applicable.Emergency Action CodeNot applicable.Hazard No. (ADR)Not applicable.Tunnel Restriction CodeNot 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 2011 Code of Practice for the Safety, Health and Welfare at Work(Chemical Agents)

Regulations 2001 (S.I. No. 619 of 2001).

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** 22/03/2016

Revision 1

Safety Data Sheet Status Approved.

Hazard Statements In Full

H317 May cause an allergic skin reaction

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H332Harmful if inhaled.H315Causes skin irritation.H319Causes serious eye irritation.H351Suspected of causing cancer [*].

H373 May cause damage to organs [*] through prolonged or repeated exposure [*].

H301 Toxic if swallowed.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H311 Toxic in contact with skin.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects [*].

H350 May cause cancer [*]. **H330** Fatal if inhaled.

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.