## 1. Product and Company Identification

**1.1 PRODUCT NAME**: CHEVALINE DEXX FD

**1.2 USE OF PRODUCT** Coating for the waterproofing, protection and enhancement of roofs and decks.

**1.3 SUPPLIER:**

Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
Fax: +64 3 578 0919
Email: admin@equus.co.nz

**1.4 EMERGENCY CONTACT:** **National Poison Centre**
**Telephone: 0800 764 766**

Information about Safety Data Sheet: Telephone: +64 3 578 0214 8:00am – 6:00pm Mon – Fri

**1.5 Date of Preparation:** 18 June 2020

## 2. Hazards Identification

**2.1 Statement of Hazardous Nature:**
Classified as hazardous according to New Zealand Hazardous Substances (Minimum degrees of hazard) Regulations 2017.

**2.2 DG Status:**
Not classified as Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land

**2.3 Hazard Classification:**

**2.3.1 Class and GHS Category:**

| | |
|---|---|
| Acute toxicity, Dermal | Cat 5 |
| Respiratory sensitisation | Cat 1 |
| Reproductive toxicity | Cat 2 |
| Aquatic toxicity(chronic) | Cat 3 |

| **2.3.2 HSNO Category:** | **Hazard Statement** |
|---|---|
| 6.1E (Dermal) | May be harmful in contact with skin |
| 6.5A | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| 6.8B | Suspected of damaging fertility or the unborn child |
| 9.1D | Harmful to aquatic life |

**2.4 Signal Word: Danger**

**2.5 Prevention Statements:**

| | |
|---|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P261(mist/spray) | Avoid breathing mist /spray |
| P273 | Avoid release to the environment |
| P281 | Use personal protective equipment as required |
| P285 | In case of inadequate ventilation wear respiratory protection |

**2.6 Response Statements:**

| | |
|---|---|
| P304 + P341 | IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing |
| P342 + P311 | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention |

**2.7 Storage Statement:**

| | |
|---|---|
| P405 | Store locked up |

## 3. Composition/Information on Ingredients

**3.1 Chemical Characterization (Mixture):**

**3.2 Hazardous Components:**

| CAS NO. | COMPONENT | CONCENTRATION(% weight) |
|---|---|---|
| 25265-77-4 | 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate | <1.1 |
| - | Acrylic emulsion (6.5A) | <24 |
| 1336-21-6 | Ammonium Hydroxide | < 0.4 |
| - | Mixed biocide preparation (Diuron/Carbendazim/2-octyl-2H-isothiazol-3-one) | <0.09 |
| | Non-hazardous ingredients | Balance |

## 4. First Aid Measures

**4.1 After Inhalation:**
Remove person to fresh air.

**4.2 After Skin Contact:**
Wash with plenty of soap and water as a precaution. If skin irritation develops, consult a doctor.

**4.3 After Eye Contact:**
Immediately rinse with plenty of water for at least 10 minutes, while holding eyelid open. Remove contact lenses, if present and easy to do. If eye irritation persists, consult a doctor.

**4.4 After Ingestion:**
Drink 1 or 2 glasses of water. Consult a doctor if necessary. Never give anything by mouth to an unconscious person.

## 5. Fire Fighting Measures

**5.1 Suitable Extinguishing Media:**
Use extinguishing media appropriate for surrounding fire.

**5.2 Protective Equipment:**
Wear self contained breathing apparatus and protective suit.

**5.3 Specific Hazards:**
Material can splatter above $100^0$C. Dried product can burn.

**5.4 Combustion Products:**
Carbon monoxide, carbon dioxide, toxic fumes and smoke. May yield acrylic monomers.

## 6. Accidental Release Measures

**6.1 Preliminary Action and Precautions:**

**6.1.1** Use personal protective equipment.

**6.1.2** Keep people away from and upwind of spill/leak.

**6.1.3** Material can create slippery conditions.

**6.1.4** Contain spills immediately with inert materials (e.g. sand, earth etc.)

**6.1.5** Transfer liquids and solid diking material to suitable containers for recovery or disposal.

**6.1.6** Keep spills and cleaning run off from entering sewers, drains and open bodies of water.

## 7. Handling and Storage

**7.1 Handling:**

**7.1.1** Avoid contact with eyes, skin and clothing.

**7.1.2** Wash hands thoroughly after handling.

**7.1.3** Keep containers tightly closed when not in use.

**7.1.4** Do not breathe vapours, mist or gas.

**7.2 Storage:**

**7.2.1** Store in a cool well-ventilated space.

**7.2.2** Keep containers tightly closed at all times.

## 8. Exposure Controls and Personal Protection Equipment

**8.1 Exposure Limits:**

No values assigned for this specific material by the New Zealand Workplace Health and Safety Authority

| Substance | CAS. Number | Regulation | Limit | |
|---|---|---|---|---|
| | | | ppm | $mg/m^3$ |
| Ammonium hydroxide | 1336-21-6 | WES/TWA | 25 | 17 |
| | | WES/STEL | 35 | 24 |
| Diuron | 330-54-1 | WES/TWA | - | 10 |

**8.2.1 Exposure Controls in the Work Place:**

Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general, ventilation is inadequate.

**8.2.2 Personal Protection Equipment:**

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australia/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection
Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australia/New Zealand Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Hand Protection
Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. References should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing

## 9. Physical and Chemical Properties

**9.1 General Information:**

| | |
|---|---|
| **Appearance** | Liquid |
| **Colour** | Various colours |
| **Odour** | Acrylic |
| **Odour Threshold** | Not established |
| **PH** | 8.0 -9.0 |
| **Melting point/ freezing point** | $<0^0$C |
| **Initial Boiling Point/ Range** | $>100^0$C |
| **Flash Point** | Not established |
| **Evaporation rate** | Not established |
| **Flammability (solid,gas)** | Not applicable |
| **Upper/lower flammabilityor explosive limits** | Not applicable |
| **Vapour pressure** | Not established |
| **Vapour density** | Not established |
| **Relative density** | 1.31 |
| **Water Solubility (ies)** | Dilutable/partially soluble |
| **Water solubility of ingredients** | 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate 0.5-3.79g/l @$25^0$C |
| **Partition coefficient:n-octanol/water** | Not established |
| **Auto-ignition temperature** | Not applicable |
| **Decomposition temperature** | Not established |
| **Viscosity** | Brookfield 50rpm, 15,520-24,000 cps @$23^0$C |

## 10. Stability and Reaction

**10.1 General Information:**
This product is stable, and no hazardous reactions are known.

**10.2 Conditions to Avoid:**
There are no known conditions which should be avoided.

**10.3 Material to Avoid:**
There are no known materials which are incompatible with this product.

**10.4 Hazardous Decomposition Products:**
None expected when material properly handled and stored. For thermal decomposition see Section 5.

## 11. Toxicological Information

**11.1 General Information:**
No specific data is available for this material.

**11.2 Skin Contact:**
Prolonged or consistent skin contact may result in allergic dermatitis, May also cause sensitisation.

**11.3 Eye Contact:**
May cause slight irritation including redness and tear formation.

**11.4 Ingestion:**
May cause gastrointestinal discomfort. Symptoms may include nausea, vomiting, lethargy or diarrhoea.

**11.5 Inhalation:**
Inhalation may cause a slight irritation to the respiratory tract.

## 12. Ecological Information

**12.1 Environment Protection:**
Prevent from entering sewers, drains and waterways.

**12.2 Ecotoxicity:**
No product specific data available.

**12.3 Persistence and degradability:**
No product specific data available.

**12.4 Bioacummulative Potential:**
No product specific data available.

## 13. Disposal Consideration

**13.1 Material:**
Recycle or dispose of according to regulation by incineration in a special waste incinerator or landfill at a permitted facility in accordance with local/national regulations.

## 14. Transport Information

**14.1 Land Transport:**
Not regulated under NZS 5433 for land transport.

**14.2 Sea Transport:** (IMO/IMDG): Not regulated.

**14.3 Air Transport:** (IATA/ICAO): Not regulated.

## 15. Regulatory Information

**15.1 HSNO Approval:**

| | |
|---|---|
| Approved Code: | HSR002670 |
| HSNO Group Standard: | Surface Coatings and colourants (Subsidiary Hazard) |

**15.2 HSNO Controls:**

| | |
|---|---|
| Approved Handler: | Not required. |

## 16. Other Information

### 16.1 Hazard Classifications:

| | |
|---|---|
| 6.1E(dermal) | Substances that are acutely toxic |
| 6.5A | Substances that are respiratory sensitisers |
| 6.8B | Substances that are suspected human reproductive or developmental toxicants. |
| 9.1D | Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal actions |

### 16.2 Abbreviations/Terminology:

| | |
|---|---|
| HSNO | Hazardous substances and New Organisms Act |
| CAS | Chemical Abstract Service |
| WES | Workplace Exposure Standard (Worksafe NZ) |
| TWA | Time weighted average exposure level designed to protect from the effects of long-term exposure. |
| STEL | Short-term Exposure Level (15 minutes) |

### 16.3 Issue Information:

| | |
|---|---|
| Date of Preparation: | 18 June 2020 |
| Reasons: | Update and format change |
| Replaces: | 14 July 2016 |

**16.4** The information contained in this Data Sheet relates only to the specific material identified. Equus Industries Ltd believes the information to be accurate and reliable as at the date of this Data Sheet. No Warranty, Guarantee or representation is expressed or implied by the Company as to the absolute correctness or completeness of any representation contained in this Data and assumes no legal responsibility in connection therewith. It can not be assumed that all acceptable safety measures are contained in this Data Sheet, or that additional measures may not be required under particular or exceptional circumstances or conditions.