

#### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product name:** 410-LINE DUREPON FRX PART A

##### Synonyms

| Synonyms  | Product Code | Bar Code |
|---|--------------|----------|
| Durepon FRX Grey Part A                                   | 41082619-B   |          |
| Durepon FRX N35 Light Grey Part A                         | 41038678-B   |          |
| Durepon FRX Steel Grey Part A                             | 410H0347-B   |          |
| Protective Coatings Durepon FRX Grey Part A 12L           | 41082619-12L |          |
| Protective Coatings Durepon FRX N35 Light Grey Part A 12L | 41038678-12L |          |
| Protective Coatings Durepon FRX Steel Grey Part A 12L     | 410H0347-12L |          |

**Recommended use:** Two pack protective coating, Part A. Applied by spray. Also refer to MSDS for Part B.

**Supplier:** Dulux Protective Coatings Australia, a division of DuluxGroup (New Zealand) Pty Ltd  
**Company No.:** 55 133 404 118 / Co. 2355191  
**Street Address:** 150 Hutt Park Road  
 Lower Hutt  
 New Zealand  
**Telephone:** 0800 800 424

**Emergency Telephone number:** Australia – 1800 220 770; New Zealand – 0800 220 770

#### 2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of EPA New Zealand.

**EPA Group Standard:** HSR002662 - Surface Coatings and Colourants (Flammable) Group Standard



##### Signal Word

Danger

##### Hazard Classifications

- 3.1B - Flammable liquid
- 6.1E - Substances that are acutely toxic - Oral
- 6.1E - Substances that are acutely toxic - Respiratory tract irritant
- 6.3A - Substances that are irritating to the skin
- 6.4A - Substances that are irritating to the eye
- 6.5B - Substances that are contact sensitisers
- 6.8A - Substances that are known or presumed human reproductive or developmental toxicants
- 6.9B (Single exposure) - Substances that are harmful to human target organs or systems
- 6.9B (Single exposure) - Substances that are harmful to human target organs or systems - Narcotic
- 6.9B (Repeated exposure) - Substances that are harmful to human target organs or systems
- 9.1B - Substances that are ecotoxic in the aquatic environment (H411)
- 9.3C - Substances that are harmful to terrestrial vertebrates

##### Hazard Statements

H225 Highly flammable liquid and vapour.

|      |  |
|------|--|
| H303 | May be harmful if swallowed.                                       |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                               |
| H319 | Causes serious eye irritation.                                     |
| H335 | May cause respiratory irritation.                                  |
| H336 | May cause drowsiness or dizziness.                                 |
| H360 | May damage fertility or the unborn child.                          |
| H371 | May cause damage to organs.  |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects.                   |
| H433 | Harmful to terrestrial vertebrates.                                |

## Prevention Precautionary Statements

|      |  |
|------|--|
| P102 | Keep out of reach of children.   |
| P103 | Read carefully and follow all instructions.                                    |
| P201 | Obtain special instructions before use.  |
| P202 | Do not handle until all safety precautions have been read and understood.      |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking.               |
| P233 | Keep container tightly closed.   |
| P240 | Ground and bond container and receiving equipment.                             |
| P241 | Use explosion-proof electrical, ventilating, lighting and all other equipment. |
| P242 | Use non-sparking tools.  |
| P243 | Take action to prevent static discharges.                                      |
| P260 | Do not breathe dust, fume, gas, mist, vapours or spray.                        |
| P264 | Wash hands, face and all exposed skin thoroughly after handling.               |
| P270 | Do not eat, drink or smoke when using this product.                            |
| P271 | Use only outdoors or in a well-ventilated area.                                |
| P272 | Contaminated work clothing should not be allowed out of the workplace.         |
| P273 | Avoid release to the environment.  |
| P281 | Use personal protective equipment as required.                                 |

## Response Precautionary Statements

|                |  |
|----------------|--|
| P101           | If medical advice is needed, have product container or label at hand.  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].                         |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312           | Call a POISON CENTER/doctor if you feel unwell.  |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P362           | Take off contaminated clothing.  |
| P363           | Wash contaminated clothing before reuse.   |
| P391           | Collect spillage.  |

## Storage Precautionary Statements

|           |  |
|-----------|--|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool.                     |
| P405      | Store locked up.   |

## Disposal Precautionary Statement

|      |   |
|------|---|
| P501 | Dispose of contents/container in accordance with local, regional, national and international regulations. |
|------|---|

## DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Dangerous Goods Class:** 3

### 3. COMPOSITION INFORMATION

| CHEMICAL ENTITY  | CAS NO     | PROPORTION      |
|--|------------|-----------------|
| Bisphenol A-Epichlorhydrin reaction product                          | 25036-25-3 | 30 - 60 % (w/w) |
| Xylene   | 1330-20-7  | 10 - 30 % (w/w) |
| Zinc phosphate   | 7779-90-0  | 10 - 30 % (w/w) |
| Isobutyl alcohol   | 78-83-1    | 1 - 10 % (w/w)  |
| Methyl ethyl ketone  | 78-93-3    | 1 - 10 % (w/w)  |
| Toluene  | 108-88-3   | 1 - 10 % (w/w)  |
| Ingredients determined to be non-hazardous or below reporting limits |            | Balance         |
|  |            | 100%            |

### 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** Effects may be delayed. If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**PPE for First Aiders:** Wear safety shoes, overalls, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically. Effects may be delayed.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** •3YE

**Suitable extinguishing media:** If material is involved in a fire use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Highly flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a



considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Fire fighting further advice:** Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

### 6. ACCIDENTAL RELEASE MEASURES

#### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

#### LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No:** 14

### 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Class 3 Flammable Liquid as per the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and/or the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and must be stored in accordance with the relevant regulations.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:**

|  | TWA |       | STEL |       | NOTICES |
|--|-----|-------|------|-------|---------|
|  | ppm | mg/m3 | ppm  | mg/m3 |         |
| 2-Butanone (Methyl ethyl ketone, MEK)        | 150 | 445   | 300  | 890   | (bio)   |
| Isobutyl alcohol                             | 50  | 152   |      |       |         |
| Toluene                                      | 50  | 188   |      |       | (skin)  |
| Xylene (o-, m-, p-isomers) (Dimethylbenzene) | 50  | 217   |      |       |         |

As published by WorkSafe New Zealand.

WES-TWA (Workplace Exposure Standard - Time-weighted average). The average airborne concentration of a substance calculated over an eight-hour working day.

WES-Ceiling (Workplace Exposure Standard - Ceiling). A concentration that should not be exceeded at any time during any part of the working day.

WES-STEL (Workplace Exposure Standard - Short-term exposure limit). The 15-minute time weighted average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Exposures at concentrations between the WES-TWA and the WES-STEL should be less than 15 minutes, should occur no more than four times per day, and there should be at least 60 minutes between successive exposures in this range.

(skin) - Skin absorption. Skin absorption—applicable to a substance that is capable of being significantly absorbed into the body through contact with the skin.

(bio) - Exposure can also be estimated by biological monitoring.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the WorkSafe New Zealand the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

**Personal Protection Equipment:** SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES, RESPIRATOR.

Wear safety shoes, overalls, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Liquid  
**Colour:** Grey  
**Odour:** Solvent

**Solubility:** Insoluble in water. Soluble in organic solvents.  
**Specific Gravity:** 1.5 - 1.7  
**Relative Vapour Density (air=1):** >1  
**Vapour Pressure (20 °C):** N Av  
**Flash Point (°C):** -7 (Methyl ethyl ketone)  
**Flammability Limits (%):** N Av  
**Autoignition Temperature (°C):** N Av

# Safety Data Sheet



PROTECTIVE  
COATINGS

|                           |                                |
|---------------------------|--------------------------------|
| Melting Point/Range (°C): | N Av                           |
| Boiling Point/Range (°C): | N Av                           |
| pH:                       | N App                          |
| Viscosity:                | >21 mm <sup>2</sup> /s @ 40 °C |
| Total VOC (g/Litre):      | N Av                           |
| % Volatile by Volume:     | N Av                           |

(Typical values only - consult specification sheet)  
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material is an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

**Skin contact:** Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** An eye irritant.

### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 5,000 ppm gas

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >5,000 mg/Kg bw

**Ingestion:** This material has been classified as a 6.1E - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients): 2,000 - 5,000 mg/Kg bw

**Corrosion/Irritancy:** Eye: this material has been classified as a 6.4A - Substances that are irritating to the eye. Skin: this material has been classified as a 6.3A - Substances that are irritating to the skin.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified 6.5B - Substances that are contact sensitisers.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as a 6.9B - Substances that are harmful to human target organs or systems.

## Chronic Toxicity

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

## Reproductive toxicity (including via lactation):

This material has been classified as a 6.8A - Substances that are known or presumed human reproductive or developmental toxicants.

**Specific target organ toxicity (repeat exposure):** This material has been classified as a 6.9B - Substances that are harmful to human target organs or systems.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as a 9.1B - Substances that are ecotoxic in the aquatic environment. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 1 - 10 mg/L, where the substance is not rapidly degradable and/or  $BCF \geq 500$  and/or  $\log K_{ow} \geq 4$ .

**Ecotoxicity in the soil environment:** This material has been classified as non-hazardous.

**Ecotoxicity to terrestrial vertebrates:** This material has been classified as a 9.3C - Substances that are harmful to terrestrial vertebrates.

**Ecotoxicity to terrestrial invertebrates:** This material has been classified as non-hazardous.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

# Safety Data Sheet

**Dulux**<sup>®</sup>

**PROTECTIVE  
COATINGS**

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



**UN No:** 1263  
**Dangerous Goods Class:** 3  
**Packing Group:** II  
**Hazchem Code:** •3YE  
**Emergency Response Guide No:** 14

**Proper Shipping Name:** PAINT

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

## MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



**UN No:** 1263  
**Dangerous Goods Class:** 3  
**Packing Group:** II

**Proper Shipping Name:** PAINT

## AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



**UN No:** 1263  
**Dangerous Goods Class:** 3  
**Packing Group:** II

**Proper Shipping Name:** PAINT

## 15. REGULATORY INFORMATION

This material is not subject to the following international agreements:  
Montreal Protocol (Ozone depleting substances)



# Safety Data Sheet



The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)

**This material is subject to the following international agreements:**

Basel Convention (Hazardous Waste)

- Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish

International Convention for the Prevention of Pollution from Ships (MARPOL)

- Annex III - Harmful Substances carried in Packaged Form

• All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

**EPA Group Standard:** HSR002662 - Surface Coatings and Colourants (Flammable) Group Standard

|                           |     |
|---------------------------|-----|
| Approved handler          | Yes |
| Location test certificate | Yes |
| Fire extinguishers        | Yes |
| Signage                   | Yes |
| Emergency response        | Yes |
| Hazardous atmosphere zone | Yes |

## 16. OTHER INFORMATION

Reason for issue: Minor Text Changes

This Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd (chemdata.com.au) on behalf of its client.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since the company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.