

## Hazardous, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **976-H0114 ZINCANODE 402 COLD CURE  
HARDENER**

**Synonyms**

Zincanode 402 Cold Cure Hardener 2L

**Product Code**

976H0114-2L

**Bar Code**

9300611534156

**Recommended use:** Cold weather hardener for a zinc rich epoxy coatings system. Coating system is recommended for use over steel surfaces to provide corrosion protection.

**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:** HSR002669 - Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard

**Signal Word**

Danger

**Hazard Classifications**

3.1B - Flammable liquid

6.1D - Substances that are acutely toxic - Oral

6.1D - Substances that are acutely toxic - Dermal

6.1D - Substances that are acutely toxic - Inhalation - vapours, dusts or mists

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

6.7B - Substances that are suspected human carcinogens

6.8B - Substances that are suspected human reproductive or developmental toxicants

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

9.1D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action (H413)

9.3C - Substances that are harmful to terrestrial vertebrates

**Hazard Statements**

H225 Highly flammable liquid and vapour.

**Product Name:** 976-H0114 ZINCANODE 402 COLD CURE  
HARDENER

**Reference No:** DLXNZLEN000004

|      |  |
|------|--|
| H302 | Harmful if swallowed.  |
| H312 | Harmful in contact with skin.                                      |
| H315 | Causes skin irritation.  |
| H319 | Causes serious eye irritation.                                     |
| H332 | Harmful if inhaled.  |
| H335 | May cause respiratory irritation.                                  |
| H336 | May cause drowsiness or dizziness.                                 |
| H351 | Suspected of causing cancer .                                      |
| H361 | Suspected of damaging fertility or the unborn child .              |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H413 | May cause long lasting harmful effects to aquatic life.            |
| 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.                                |
| 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.  |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER/doctor.   |
| 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.  |
| P330           | Rinse mouth.   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P362           | Take off contaminated clothing.  |

## 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     |
|--|-----------|----------------|
| Xylene   | 1330-20-7 | >60 % (w/w)    |
| Ethyl benzene  | 100-41-4  | 1 - 10 % (w/w) |
| Propylene glycol monomethyl ether                                    | 107-98-2  | 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. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**Skin Contact:** This material, or a component of the material, can be absorbed through the skin with resultant toxic effects. 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. Immediately call Poisons Centre or Doctor.

**PPE for First Aiders:** Wear safety shoes, overalls, gloves, chemical goggles, 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.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** •3Y

**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:** No value assigned for this specific material by WorkSafe New Zealand.

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

**Engineering Measures:** Natural ventilation should be adequate under normal use conditions..

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

Wear safety shoes, overalls, gloves, chemical goggles, 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:** Amber  
**Odour:** Solvent

**Solubility:** Insoluble in water  
**Specific Gravity:** 0.897  
**Relative Vapour Density (air=1):** >1  
**Vapour Pressure (20 °C):** 0.8 - 1.2 kPa @ 20°C  
**Flash Point (°C):** 23 - 27  
**Flammability Limits (%):** 1.0 - 7.1  
**Autoignition Temperature (°C):** N Av  
**Melting Point/Range (°C):** N Av  
**Boiling Point/Range (°C):** 136 - 145  
**pH:** N App  
**Viscosity:** N Av  
**Total VOC (g/Litre):** 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:** Harmful if inhaled. 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:** Harmful in contact with skin. Can be absorbed through the skin with resultant toxic effects.

Contact with skin will result in irritation.

**Ingestion:** Harmful if swallowed. 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 a 6.1D - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients):  $10.0 < LC50 \leq 20.0$  mg/L for vapours or  $1.0 < LC50 \leq 5.0$  mg/L for dust and mist

**Skin contact:** This material has been classified as a 6.1D - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients): 1,000 - 2,000 mg/Kg bw

**Ingestion:** This material has been classified as a 6.1D - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients): 300 - 2,000 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 as not a skin sensitiser.

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

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

## Chronic Toxicity

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

**Carcinogenicity:** This material has been classified as a 6.7B - Substances that are suspected human carcinogens.

## Reproductive toxicity (including via lactation):

This material has been classified as a 6.8B - Substances that are suspected 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 9.1D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action. 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): 10 - 100 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

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:** III  
**Hazchem Code:** •3Y  
**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.



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

**Product Name:** 976-H0114 ZINCANODE 402 COLD CURE  
HARDENER

**Reference No:** DLXNZLEN000004

# Safety Data Sheet

**Dulux**<sup>®</sup>

**PROTECTIVE  
COATINGS**

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: III

Proper Shipping Name: PAINT

## 15. REGULATORY INFORMATION

### This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

### This material/constituent(s) is covered by the following requirements:

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

**EPA Group Standard:** HSR002669 - Surface Coatings and Colourants (Flammable, Toxic [6.7]) 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: Revised

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 DuluxGroup (Australia) Pty Ltd and DuluxGroup (New Zealand) Pty Ltd 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.

**Product Name: 976-H0114 ZINCANODE 402 COLD CURE  
HARDENER**

**Reference No: DLXNZLEN000004**

**Issued: 25 March 2021**

**Version: 1.0**

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# Safety Data Sheet



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.