

# Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings)

## Iplex Pipelines

Chemwatch Hazard Alert Code: 1

Chemwatch: 90637

Version No: 6.1.1.1

Material Safety Data Sheet according to NOHSC and ADG requirements

Issue Date: 01/01/2013

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S.Local.AUS.EN.RISK

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### Product Identifier

|                                      |   |
|--------------------------------------|---|
| <b>Product name</b>                  | Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings)   |
| <b>Synonyms</b>                      | Iplex PVC Pipes and Fittings, and PVC Plastics PVC pipes for pressure applications, Iplex and Key Plastics PVC Pipes and Fittings for drainage, sewerage, conduit and low pressure applications., PVC, unplasticised PVC (PVC-U), modified PVC (PVC-M) and biaxially oriented PVC (PVC-O) pipes, PVC-U fittings, Unplasticised PVC (PVC-U) pipes, orange and grey PVC electrical conduit and yellow PVC gas pipe., uPVC Pipes Orange PVC Electrical Conduit |
| <b>Other means of identification</b> | Not Available   |

### Relevant identified uses of the substance or mixture and uses advised against

|                                 |   |
|---------------------------------|---|
| <b>Relevant identified uses</b> | PVC pressure pipes for water reticulation in domestic, Industrial and irrigation applications. PVC conduits and non-pressure pipes for residential, commercial, infrastructure, farm and industrial applications including sewerage, stormwater, electrical, telecommunications. PVC pipe for low pressure fuel gas reticulation. |
|---------------------------------|---|

### Details of the supplier of the safety data sheet

|                                |   |   |
|--------------------------------|---|---|
| <b>Registered company name</b> | Iplex Pipelines                                   | Iplex Pipelines   |
| <b>Address</b>                 | 35 Alfred Road Chipping Norton NSW 2171 Australia | Fujitsu Centre, Nth Sydney, Level 14, 15 Blue Street North Sydney NSW 2060a Australia |
| <b>Telephone</b>               | +61 2 9755 8219 13 18 40                          | +61 2 9024 4700   |
| <b>Fax</b>                     | +61 2 9755 1195                                   | +61 2 9024 4707   |
| <b>Website</b>                 | Not Available                                     | Not Available   |
| <b>Email</b>                   | sales@iplexpipelines.com.au                       | sales@iplexpipelines.com.au   |

### Emergency telephone number

|  |               |               |
|--|---------------|---------------|
| <b>Association / Organisation</b>        | Not Available | Not Available |
| <b>Emergency telephone numbers</b>       | Not Available | Not Available |
| <b>Other emergency telephone numbers</b> | Not Available | Not Available |

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

**NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to NOHSC Criteria, and ADG Code.**

#### CHEMWATCH HAZARD RATINGS

|              | Min | Max |
|--------------|-----|-----|
| Flammability | 1   | 1   |
| Toxicity     | 0   | 0   |
| Body Contact | 0   | 0   |
| Reactivity   | 1   | 1   |
| Chronic      | 0   | 0   |

0 = Minimum  
1 = Low  
2 = Moderate  
3 = High  
4 = Extreme

|                         |  |
|-------------------------|--|
| <b>Poisons Schedule</b> | Not Applicable   |
| <b>Risk Phrases [1]</b> | Not Applicable<br>*LIMITED EVIDENCE  |
| <b>Legend:</b>          | 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI |

Not Applicable

Relevant risk statements are found in section 2

|                                |                |
|--------------------------------|----------------|
| <b>Indication(s) of danger</b> | Not Applicable |
|--------------------------------|----------------|

#### SAFETY ADVICE

|            |                                |
|------------|--------------------------------|
| <b>S02</b> | Keep out of reach of children. |
|------------|--------------------------------|

#### Other hazards

Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings)

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

**Substances**

See section below for composition of Mixtures

**Mixtures**

| CAS No        | %[weight] | Name   |
|---------------|-----------|--|
|               |           | Solid formed plastic shapes, processed from    |
| 9002-86-2     | 80        | <u>polyvinyl chloride (polyvinyl chloride)</u> |
|               |           | UV stabilisers as                              |
| 471-34-1      | <=20      | <u>calcium carbonate</u>                       |
| Not Available | <=1       | colour pigment unregulated                     |
|               |           | heat stabilisers, lubricants as                |
| Not Available | 2-4       | Calcium, Zinc soaps, unregulated in plastics   |

**SECTION 4 FIRST AID MEASURES**

**Description of first aid measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | <ul style="list-style-type: none"> <li>Generally not applicable.</li> </ul>   |
| <b>Skin Contact</b> | If skin or hair contact occurs: <ul style="list-style-type: none"> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul> |
| <b>Inhalation</b>   | <ul style="list-style-type: none"> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>                   |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>         |

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 FIREFIGHTING MEASURES**

**Extinguishing media**

- Water spray or fog.
- Alcohol stable foam.
- Dry chemical powder.
- Carbon dioxide.

**Special hazards arising from the substrate or mixture**

|                             |  |
|-----------------------------|--|
| <b>Fire Incompatibility</b> | <ul style="list-style-type: none"> <li>Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result</li> </ul> |
|-----------------------------|--|

**Advice for firefighters**

|                              |  |
|------------------------------|--|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> </ul> Slight hazard when exposed to heat, flame and oxidisers.  |
| <b>Fire/Explosion Hazard</b> | ***** <ul style="list-style-type: none"> <li>Combustible.</li> <li>Slight fire hazard when exposed to heat or flame.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>On combustion, may emit toxic fumes of carbon monoxide (CO).</li> </ul> Combustion products include:<br>carbon monoxide (CO)<br>carbon dioxide (CO2)<br>hydrogen chloride<br>phosgene<br>nitrogen oxides (NOx)<br>other pyrolysis products typical of burning organic material. <p><b>NOTE:</b> Burns with intense heat. Produces melting, flowing, burning liquid and dense acrid black smoke.<br/>                     May emit poisonous fumes.<br/>                     Does not burn without an external flame.</p> |
| <b>HAZCHEM</b>               | Not Applicable   |

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

|                     |  |
|---------------------|--|
| <b>Minor Spills</b> | <ul style="list-style-type: none"> <li>Clean up all spills immediately.</li> <li>Secure load if safe to do so.</li> <li>Bundle/collect recoverable product.</li> </ul> |
|---------------------|--|

## Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings)

|                     |  |
|---------------------|--|
|                     | <ul style="list-style-type: none"> <li>▶ Collect remaining material in containers with covers for disposal.</li> </ul>   |
| <b>Major Spills</b> | <ul style="list-style-type: none"> <li>▶ Clean up all spills immediately.</li> <li>▶ Secure load if safe to do so.</li> <li>▶ Bundle/collect recoverable product.</li> <li>▶ Collect remaining material in containers with covers for disposal.</li> </ul> |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

|                          |  |
|--------------------------|--|
| <b>Safe handling</b>     | <ul style="list-style-type: none"> <li>▶ Avoid all personal contact, including inhalation.</li> <li>▶ Wear protective clothing when risk of exposure occurs.</li> <li>▶ Use in a well-ventilated area.</li> <li>▶ Prevent concentration in hollows and sumps.</li> </ul> |
| <b>Other information</b> | <ul style="list-style-type: none"> <li>▶ Store away from incompatible materials.</li> </ul>  |

### Conditions for safe storage, including any incompatibilities

|                                |   |
|--------------------------------|---|
| <b>Suitable container</b>      | <ul style="list-style-type: none"> <li>▶ Polyethylene or polypropylene container.</li> <li>▶ Packing as recommended by manufacturer.</li> <li>▶ Check all containers are clearly labelled and free from leaks.</li> </ul> |
| <b>Storage incompatibility</b> | <ul style="list-style-type: none"> <li>▶ Avoid reaction with oxidising agents</li> </ul>  |



- X — Must not be stored together  
 O — May be stored together with specific preventions  
 + — May be stored together

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

| Source                       | Ingredient        | Material name     | TWA      | STEL          | Peak          | Notes         |
|------------------------------|-------------------|-------------------|----------|---------------|---------------|---------------|
| Australia Exposure Standards | calcium carbonate | Calcium carbonate | 10 mg/m3 | Not Available | Not Available | Not Available |

#### EMERGENCY LIMITS

| Ingredient                              | Material name                            | TEEL-1   | TEEL-2    | TEEL-3     |
|---|--|----------|-----------|------------|
| polyvinyl chloride (polyvinyl chloride) | Polyvinyl chloride                       | 3 mg/m3  | 33 mg/m3  | 200 mg/m3  |
| calcium carbonate                       | Limestone; (Calcium carbonate; Dolomite) | 27 mg/m3 | 27 mg/m3  | 1300 mg/m3 |
| calcium carbonate                       | Carbonic acid, calcium salt              | 45 mg/m3 | 210 mg/m3 | 1300 mg/m3 |

| Ingredient                                   | Original IDLH | Revised IDLH  |
|--|---------------|---------------|
| polyvinyl chloride (polyvinyl chloride)      | Not Available | Not Available |
| calcium carbonate                            | Not Available | Not Available |
| colour pigment unregulated                   | Not Available | Not Available |
| Calcium, Zinc soaps, unregulated in plastics | Not Available | Not Available |

### Exposure controls

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | <p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.</p> |
| <b>Personal protection</b>              |  |
| <b>Eye and face protection</b>          | <ul style="list-style-type: none"> <li>▶ Safety glasses with side shields</li> <li>▶ Chemical goggles.</li> <li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of</li> </ul>   |

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|                              |  |
|------------------------------|--|
|                              | <ul style="list-style-type: none"> <li>▶ chemicals in use and an account of injury experience.</li> </ul> No special equipment required due to the physical form of the product.   |
| <b>Skin protection</b>       | See Hand protection below  |
| <b>Hands/feet protection</b> | Wear general protective gloves, eg. light weight rubber gloves.<br>No special equipment required due to the physical form of the product. <ul style="list-style-type: none"> <li>▶ Wear chemical protective gloves, e.g. PVC.</li> <li>▶ Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul> |
| <b>Body protection</b>       | See Other protection below   |
| <b>Other protection</b>      | <ul style="list-style-type: none"> <li>▶ Overalls.</li> <li>▶ P.V.C. apron.</li> <li>▶ Barrier cream.</li> </ul>   |
| <b>Thermal hazards</b>       | Not Available  |

**Respiratory protection**

- ▶ Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.
- ▶ The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure - ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).
- ▶ Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.
- ▶ Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection program.
- ▶ Use approved positive flow mask if significant quantities of dust becomes airborne.
- ▶ Try to avoid creating dust conditions.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|   |   |  |                |
|---|---|--|----------------|
| <b>Appearance</b>                                   | Moulded PVC plastic shapes as extruded pipes and injection moulded pipe |  |                |
| <b>Physical state</b>                               | Manufactured  | <b>Relative density (Water = 1)</b>            | 1.4-1.6        |
| <b>Odour</b>  | Not Available   | <b>Partition coefficient n-octanol / water</b> | Not Available  |
| <b>Odour threshold</b>                              | Not Available   | <b>Auto-ignition temperature (°C)</b>          | Not Applicable |
| <b>pH (as supplied)</b>                             | Not Applicable  | <b>Decomposition temperature</b>               | Not Available  |
| <b>Melting point / freezing point (°C)</b>          | 80  | <b>Viscosity (cSt)</b>                         | Not Available  |
| <b>Initial boiling point and boiling range (°C)</b> | Not Available   | <b>Molecular weight (g/mol)</b>                | Not Available  |
| <b>Flash point (°C)</b>                             | 350   | <b>Taste</b>                                   | Not Available  |
| <b>Evaporation rate</b>                             | Non Volatile  | <b>Explosive properties</b>                    | Not Available  |
| <b>Flammability</b>                                 | Not Applicable  | <b>Oxidising properties</b>                    | Not Available  |
| <b>Upper Explosive Limit (%)</b>                    | Not Applicable  | <b>Surface Tension (dyn/cm or mN/m)</b>        | Not Applicable |
| <b>Lower Explosive Limit (%)</b>                    | Not Applicable  | <b>Volatile Component (%vol)</b>               | Nil @ 38 C.    |
| <b>Vapour pressure (kPa)</b>                        | Negligible  | <b>Gas group</b>                               | Not Available  |
| <b>Solubility in water (g/L)</b>                    | Insoluble   | <b>pH as a solution (1%)</b>                   | Not Applicable |
| <b>Vapour density (Air = 1)</b>                     | Not Available   | <b>VOC g/L</b>                                 | Not Available  |

**SECTION 10 STABILITY AND REACTIVITY**

|   |   |
|---|---|
| <b>Reactivity</b>                         | See section 7   |
| <b>Chemical stability</b>                 | Product is considered stable and hazardous polymerisation will not occur. |
| <b>Possibility of hazardous reactions</b> | See section 7   |
| <b>Conditions to avoid</b>                | See section 7   |
| <b>Incompatible materials</b>             | See section 7   |
| <b>Hazardous decomposition products</b>   | See section 5   |

**SECTION 11 TOXICOLOGICAL INFORMATION****Information on toxicological effects**

|                |   |
|----------------|---|
| <b>Inhaled</b> | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).<br>Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.<br>Inhalation hazard is increased at higher temperatures.<br>Not normally a hazard due to non-volatile nature of product |
|----------------|---|

## Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings)

|                     |   |
|---------------------|---|
| <b>Ingestion</b>    | Not normally a hazard due to physical form of product.  |
| <b>Skin Contact</b> | Not normally a hazard due to physical form of product.  |
| <b>Eye</b>          | Not normally a hazard due to physical form of product.  |
| <b>Chronic</b>      | A study conducted with workers engaged in the production of chlorinated derivatives of polyvinyl chloride showed an increased frequency of ischaemic heart disease, intermittent lameness and strokes when compared to those unexposed. Chronic inhalation of polyvinyl chloride dusts may cause difficulty breathing, reduced lung function, occupational asthma with cough and breathlessness, inflammation of the lungs and scarring of the lungs. Animal testing showed that inflammatory changes in the liver may occur. The risk of miscarriage is increased, but birth defects were not evident. |

|  |  |  |
|--|--|--|
| <b>Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings)</b> | <b>TOXICITY</b>  | <b>IRRITATION</b>  |
|  | Not Available  | Not Available  |
| <b>polyvinyl chloride (polyvinyl chloride)</b>                                   | <b>TOXICITY</b>  | <b>IRRITATION</b>  |
|  | Not Available  | Not Available  |
| <b>calcium carbonate</b>   | <b>TOXICITY</b>  | <b>IRRITATION</b>  |
|  | dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup><br>Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup> | Eye (rabbit): 0.75 mg/24h - SEVERE<br>Skin (rabbit): 500 mg/24h-moderate |

**Legend:** 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. \* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

|  |  |
|--|--|
| <b>POLYVINYL CHLORIDE (POLYVINYL CHLORIDE)</b>   | The substance is classified by IARC as Group 3:<br><b>NOT</b> classifiable as to its carcinogenicity to humans.<br>Evidence of carcinogenicity may be inadequate or limited in animal testing.   |
| <b>CALCIUM CARBONATE</b>   | The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.<br>The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.<br>No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.   |
| <b>Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings) &amp; POLYVINYL CHLORIDE (POLYVINYL CHLORIDE)</b>                         | No significant acute toxicological data identified in literature search.   |
| <b>Iplex PVC Pipe/Conduit and Fittings (Iplex PVC Pipe/Conduit and Fittings) &amp; POLYVINYL CHLORIDE (POLYVINYL CHLORIDE) &amp; CALCIUM CARBONATE</b> | Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophilia, have also been included in the criteria for diagnosis of RADS. |

|  |   |                                 |   |
|--|---|---------------------------------|---|
| <b>Acute Toxicity</b>                    | ☐ | <b>Carcinogenicity</b>          | ☐ |
| <b>Skin Irritation/Corrosion</b>         | ☐ | <b>Reproductivity</b>           | ☐ |
| <b>Serious Eye Damage/Irritation</b>     | ☐ | <b>STOT - Single Exposure</b>   | ☐ |
| <b>Respiratory or Skin sensitisation</b> | ☐ | <b>STOT - Repeated Exposure</b> | ☐ |
| <b>Mutagenicity</b>                      | ☐ | <b>Aspiration Hazard</b>        | ☐ |

**Legend:** ✗ – Data available but does not fill the criteria for classification  
✔ – Data required to make classification available  
☐ – Data Not Available to make classification

## SECTION 12 ECOLOGICAL INFORMATION

## Toxicity

| Ingredient                              | Endpoint | Test Duration (hr) | Species                       | Value      | Source |
|---|----------|--------------------|-------------------------------|------------|--------|
| polyvinyl chloride (polyvinyl chloride) | LC50     | 96                 | Fish                          | 2.315mg/L  | 3      |
| polyvinyl chloride (polyvinyl chloride) | EC50     | 96                 | Algae or other aquatic plants | 25.141mg/L | 3      |
| calcium carbonate                       | LC50     | 96                 | Fish                          | >56000mg/L | 4      |
| calcium carbonate                       | EC50     | 72                 | Algae or other aquatic plants | >14mg/L    | 2      |
| calcium carbonate                       | NOEC     | 72                 | Algae or other aquatic plants | 14mg/L     | 2      |

**Legend:**

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

**DO NOT** discharge into sewer or waterways.

Continued...

**Persistence and degradability**

| Ingredient                              | Persistence: Water/Soil | Persistence: Air |
|---|-------------------------|------------------|
| polyvinyl chloride (polyvinyl chloride) | LOW                     | LOW              |

**Bioaccumulative potential**

| Ingredient                              | Bioaccumulation       |
|---|-----------------------|
| polyvinyl chloride (polyvinyl chloride) | LOW (LogKOW = 1.6233) |

**Mobility in soil**

| Ingredient                              | Mobility          |
|---|-------------------|
| polyvinyl chloride (polyvinyl chloride) | LOW (KOC = 23.74) |

**SECTION 13 DISPOSAL CONSIDERATIONS****Waste treatment methods**

| Product / Packaging disposal |   |
|------------------------------|---|
|                              | <ul style="list-style-type: none"> <li>▶ <b>DO NOT</b> allow wash water from cleaning or process equipment to enter drains.</li> <li>▶ It may be necessary to collect all wash water for treatment before disposal.</li> <li>▶ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>▶ Where in doubt contact the responsible authority.</li> <li>▶ Recycle wherever possible or consult manufacturer for recycling options.</li> <li>▶ Consult State Land Waste Authority for disposal.</li> <li>▶ Bury or incinerate residue at an approved site.</li> <li>▶ Recycle containers if possible, or dispose of in an authorised landfill.</li> </ul> |

**SECTION 14 TRANSPORT INFORMATION****Labels Required**

|                  |                |
|------------------|----------------|
| Marine Pollutant | NO             |
| HAZCHEM          | Not Applicable |

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

**SECTION 15 REGULATORY INFORMATION****Safety, health and environmental regulations / legislation specific for the substance or mixture****POLYVINYL CHLORIDE (POLYVINYL CHLORIDE)(9002-86-2) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

|   |   |
|---|---|
| Australia Inventory of Chemical Substances (AICS) | International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs |
|---|---|

**CALCIUM CARBONATE(471-34-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

|                              |   |
|------------------------------|---|
| Australia Exposure Standards | Australia Inventory of Chemical Substances (AICS) |
|------------------------------|---|

| National Inventory            | Status   |
|-------------------------------|--|
| Australia - AICS              | Y  |
| Canada - DSL                  | Y  |
| Canada - NDSL                 | N (polyvinyl chloride (polyvinyl chloride))  |
| China - IECSC                 | Y  |
| Europe - EINEC / ELINCS / NLP | N (polyvinyl chloride (polyvinyl chloride))  |
| Japan - ENCS                  | Y  |
| Korea - KECI                  | Y  |
| New Zealand - NZIoC           | Y  |
| Philippines - PICCS           | Y  |
| USA - TSCA                    | Y  |
| <b>Legend:</b>                | Y = All ingredients are on the inventory<br>N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

## SECTION 16 OTHER INFORMATION

### Other information

#### Ingredients with multiple cas numbers

| Name              | CAS No  |
|-------------------|---|
| calcium carbonate | 471-34-1, 13397-26-7, 15634-14-7, 1317-65-3, 72608-12-9, 878759-26-3, 63660-97-9, 459411-10-0, 198352-33-9, 146358-95-4 |

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net](http://www.chemwatch.net)

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average  
PC – STEL: Permissible Concentration-Short Term Exposure Limit  
IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists  
STEL: Short Term Exposure Limit  
TEEL: Temporary Emergency Exposure Limit,  
IDLH: Immediately Dangerous to Life or Health Concentrations  
OSF: Odour Safety Factor  
NOAEL: No Observed Adverse Effect Level  
LOAEL: Lowest Observed Adverse Effect Level  
TLV: Threshold Limit Value  
LOD: Limit Of Detection  
OTV: Odour Threshold Value  
BCF: BioConcentration Factors  
BEI: Biological Exposure Index

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