

**Vectra**

Revision: 2015-07-04

Version: 01.0

**SECTION 1: Identification of the substance/mixture and supplier**

**1.1 Product identifier**

**Product name:** Vectra

**1.2 Recommended use and restrictions on use**

**Identified uses:**

Floor finish

**Restrictions of use:**

Uses other than those identified are not recommended

**1.3 Details of the supplier**

Diversey Australia Pty. Limited  
29 Chifley St, Smithfield, NSW, 2164, Australia  
Telephone: 1800 647 779 (toll free)  
Fax: (02) 9725 5767  
Email: aucustserv@sealedair.com  
Website: <http://www.diversey.com>

**1.4 Emergency telephone number**

Call 1800 033 111 (24hrs)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classified as hazardous according to Safe Work Australia criteria.

Skin irritation, Category 2

Serious eye irritation, Category 2

**2.2 Label elements**



**Signal word:** Warning

**Hazard statements:**

H315 + H319 - Causes skin and serious eye irritation.

**Prevention statement(s):**

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves.

**Response statement(s):**

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 - If skin irritation occurs: Get medical advice or attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice or attention.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P362 - Take off contaminated clothing.

**2.3 Other hazards**

**SECTION 3: Composition/information on ingredients**

**3.1 Substances / Mixtures**

## Vectra

Ingredient(s)	CAS number	EC number	Classification	Weight percent
Zinc ammonium carbonate	40861-29-8	255-118-7	Skin Corr. 1B (H314) Acute Tox. 4 (H302) STOT SE 3 (H335)	1-3
1-phenoxypropan-2-ol	770-35-4	212-222-7	Eye Irrit. 2 (H319)	1-3
2-ethoxyethanol	110-80-5	203-804-1	Flam. Liq. 3 (H226) Acute Tox. 3 (H331) Repr. 1B (H360)	0.01-0.1
Lead oxide	1317-36-8	215-267-0		< 0.01
Cadmium oxide	1306-19-0	215-146-2		< 0.01

Non-hazardous ingredients are the remainder and add up to 100%.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

For the full text of the H and AUH phrases mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Get medical attention or advice if you feel unwell.

#### Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated clothing and wash it before re-use. If skin irritation occurs: Get medical advice or attention.

#### Eye contact:

Immediately rinse eyes cautiously with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. If irritation occurs and persists, get medical attention.

#### Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.

#### Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

#### First aid facilities:

Eyewash facilities should be considered in a workplace where necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Inhalation:

No known effects or symptoms in normal use.

#### Skin contact:

Causes irritation.

#### Eye contact:

Causes severe irritation.

#### Ingestion:

No known effects or symptoms in normal use.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

#### Poison Information Center:

Call 13 11 26 (Australia Wide).

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

### 5.2 Special hazards arising from the substance or mixture

No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

### 5.4 Hazchem code

*None allocated*

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable gloves.

### 6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Measures to prevent fire and explosions:

## Vectra

No special precautions required.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Sealed Air. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required. Avoid contact with skin and eyes. Use only with adequate ventilation.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Ingredient(s)	Long term value(s) (TWA)	Short term value(s) (STEL)	Peak value(s)
2-ethoxyethanol	5 ppm 18 mg/m <sup>3</sup>		
Lead oxide	0.15 mg/m <sup>3</sup>		
Cadmium oxide	0.01 mg/m <sup>3</sup>		

Biological limit values, if available:

**8.2 Exposure controls**

*The following information applies for the uses indicated in subsection 1.2.*

*If available, please refer to the product information sheet for application and handling instructions.*

*Normal use conditions are assumed for this section.*

*Recommended safety measures for handling the undiluted product:*

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

**Personal protective equipment****Eye / face protection:**

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product.

**Hand protection:**

Chemical-resistant protective gloves (EN 374).  
 Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier.  
 Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact:

Material: butyl rubber  
 Penetration time: >= 480 min  
 Material thickness: >= 0.7 mm

Suggested gloves for protection against splashes:

Material: nitrile rubber  
 Penetration time: >= 30 min  
 Material thickness: >= 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

**Body protection:** No special requirements under normal use conditions.

**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

**Physical State:** Liquid

**Method / remark**

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**Colour:** Opaque, Off-White

**Odour:** Product specific

**Odour threshold:** Not applicable

**pH:** ≈ 8.6 (neat)

**Melting point/freezing point (°C):** Not determined

**Initial boiling point and boiling range (°C):** Not determined

**Flash point (°C):** > 93.4

closed cup

**Sustained combustion:** Not applicable.

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/lower flammability limit (%):** Not determined

**Vapour pressure:** Not determined

**Vapour density:** Not determined

**Relative density:** 1.03 g/cm<sup>3</sup> (20 °C)

**Solubility in / Miscibility with Water:** Fully miscible

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**Viscosity:** Not determined

**Explosive properties:** Not explosive.

**Oxidising properties:** Not oxidising

## 9.2 Other information

**Surface tension (N/m):** Not determined

**Corrosion to metals:** Not corrosive

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal storage and use conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

### 10.4 Conditions to avoid

None known under normal storage and use conditions.

### 10.5 Incompatible materials

None known under normal use conditions.

### 10.6 Hazardous decomposition products

None known under normal storage and use conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Mixture data:

#### Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

Substance data, where relevant and available, are listed below.

#### Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Zinc ammonium carbonate		No data available			
1-phenoxypropan-2-ol	LD <sub>50</sub>	> 2000	Rat	Method not given	-
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Zinc ammonium carbonate		No data			

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		available			
1-phenoxypropan-2-ol	LD <sub>50</sub>	> 2000	Rat	Method not given	-
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Zinc ammonium carbonate		No data available			
1-phenoxypropan-2-ol	LC <sub>0</sub>	5.4 (mist)	Rat	Method not given	4
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Zinc ammonium carbonate	No data available			
1-phenoxypropan-2-ol	No data available			
2-ethoxyethanol	No data available			
Lead oxide	No data available			
Cadmium oxide	No data available			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Zinc ammonium carbonate	No data available			
1-phenoxypropan-2-ol	Irritant		Method not given	
2-ethoxyethanol	No data available			
Lead oxide	No data available			
Cadmium oxide	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Zinc ammonium carbonate	No data available			
1-phenoxypropan-2-ol	No data available			
2-ethoxyethanol	No data available			
Lead oxide	No data available			
Cadmium oxide	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Zinc ammonium carbonate	No data available			
1-phenoxypropan-2-ol	Not sensitising	Guinea pig	Method not given	-
2-ethoxyethanol	No data available			
Lead oxide	No data available			
Cadmium oxide	No data available			

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Zinc ammonium carbonate	No data available			
1-phenoxypropan-2-ol	No data available			-
2-ethoxyethanol	No data available			
Lead oxide	No data available			
Cadmium oxide	No data available			

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
Zinc ammonium carbonate	No data available		No data available	
1-phenoxypropan-2-ol	No evidence of genotoxicity, negative test results	Method not given	No evidence of genotoxicity, negative test results	Method not given
2-ethoxyethanol	No data available		No data available	
Lead oxide	No data available		No data available	

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Cadmium oxide	No data available		No data available	
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## Carcinogenicity

Ingredient(s)	Effect
Zinc ammonium carbonate	No data available
1-phenoxypropan-2-ol	No data available
2-ethoxyethanol	No data available
Lead oxide	No data available
Cadmium oxide	No data available

## Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
Zinc ammonium carbonate			No data available				
1-phenoxypropan-2-ol			No data available				No evidence for reproductive toxicity
2-ethoxyethanol			No data available				
Lead oxide			No data available				
Cadmium oxide			No data available				

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Zinc ammonium carbonate		No data available				
1-phenoxypropan-2-ol		No data available			-	
2-ethoxyethanol		No data available				
Lead oxide		No data available				
Cadmium oxide		No data available				

## Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Zinc ammonium carbonate		No data available				
1-phenoxypropan-2-ol		No data available			-	
2-ethoxyethanol		No data available				
Lead oxide		No data available				
Cadmium oxide		No data available				

## Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Zinc ammonium carbonate		No data available				
1-phenoxypropan-2-ol		No data available			-	
2-ethoxyethanol		No data available				
Lead oxide		No data available				
Cadmium oxide		No data available				

## Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
Zinc ammonium carbonate			No data available					
1-phenoxypropan-2-ol			No data available					
2-ethoxyethanol			No data available					
Lead oxide			No data available					
Cadmium oxide			No data available					

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Ingredient(s)	Affected organ(s)
Zinc ammonium carbonate	No data available
1-phenoxypropan-2-ol	No data available
2-ethoxyethanol	No data available
Lead oxide	No data available
Cadmium oxide	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Zinc ammonium carbonate	No data available
1-phenoxypropan-2-ol	No data available
2-ethoxyethanol	No data available
Lead oxide	No data available
Cadmium oxide	No data available

**Aspiration hazard**

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**SECTION 12: Ecological information****12.1 Toxicity**

No data is available on the mixture.

Substance data, where relevant and available, are listed below

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Zinc ammonium carbonate		No data available			
1-phenoxypropan-2-ol	LC <sub>50</sub>	280	<i>Pimephales promelas</i>	Method not given	96
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Zinc ammonium carbonate		No data available			
1-phenoxypropan-2-ol	LC <sub>50</sub>	370	<i>Daphnia magna Straus</i>	Method not given	48
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Zinc ammonium carbonate		No data available			
1-phenoxypropan-2-ol	EC <sub>50</sub>	> 100	<i>Desmodesmus subspicatus</i>	Method not given	72
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Zinc ammonium carbonate		No data available			
1-phenoxypropan-2-ol		No data			-

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		available			
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Zinc ammonium carbonate		No data available			
1-phenoxypropan-2-ol		No data available			
2-ethoxyethanol		No data available			
Lead oxide		No data available			
Cadmium oxide		No data available			

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Zinc ammonium carbonate		No data available				
1-phenoxypropan-2-ol		No data available				
2-ethoxyethanol		No data available				
Lead oxide		No data available				
Cadmium oxide		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Zinc ammonium carbonate		No data available				
1-phenoxypropan-2-ol		No data available				
2-ethoxyethanol		No data available				
Lead oxide		No data available				
Cadmium oxide		No data available				

## Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
Zinc ammonium carbonate		No data available				
1-phenoxypropan-2-ol		No data available			-	
2-ethoxyethanol		No data available				
Lead oxide		No data available				
Cadmium oxide		No data available				

## Terrestrial toxicity

## Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-phenoxypropan-2-ol		No data available			-	

## Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-phenoxypropan-2-ol		No data available			-	

## Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
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## Vectra

					time (days)	
1-phenoxypropan-2-ol		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-phenoxypropan-2-ol		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
1-phenoxypropan-2-ol		No data available			-	

## 12.2 Persistence and degradability

### Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

### Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
Zinc ammonium carbonate					No data available
1-phenoxypropan-2-ol			72% in 28 day(s)	OECD 301F	Readily biodegradable
2-ethoxyethanol					No data available
Lead oxide					No data available
Cadmium oxide					No data available

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
Zinc ammonium carbonate	No data available			
1-phenoxypropan-2-ol	1.41	Method not given	Low potential for bioaccumulation	
2-ethoxyethanol	No data available			
Lead oxide	No data available			
Cadmium oxide	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Zinc ammonium carbonate	No data available				
1-phenoxypropan-2-ol	No data available				
2-ethoxyethanol	No data available				
Lead oxide	No data available				
Cadmium oxide	No data available				

## 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K <sub>oc</sub>	Desorption coefficient Log K <sub>oc</sub> (des)	Method	Soil/sediment type	Evaluation
Zinc ammonium carbonate	No data available				
1-phenoxypropan-2-ol	No data available				High potential for mobility in soil
2-ethoxyethanol	No data available				
Lead oxide	No data available				
Cadmium oxide	No data available				

## 12.5 Other adverse effects

No other adverse effects known.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

## Vectra

**Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****ADG, IMO/IMDG, ICAO/IATA**

**14.1 UN number:** Non-dangerous goods

**14.2 UN proper shipping name:** Non-dangerous goods

**14.3 Transport hazard class(es):** Non-dangerous goods

**Class:** -

**14.4 Packing group:** Non-dangerous goods

**14.5 Environmental hazards:** Non-dangerous goods

**14.6 Special precautions for user:** Non-dangerous goods

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** The product is not transported in bulk tankers.

**Hazchem code:** None allocated

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Poison schedule**

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classification**

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

**Inventory listing(s)**

AICS (Australian Inventory of Chemical Substances): All components are listed on AICS, or are exempt

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MS31000559

**Version:** 01.0

**Revision:** 2015-07-04

**Full text of the H phrases mentioned in section 3:**

- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H335 - May cause respiratory irritation.
- H360 - May damage fertility or the unborn child.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.

**Additional information:**

**Respirators:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**Work practices - solvents:** Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

**Personal protective equipment guidelines:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Health effects from exposure:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Safety Data Sheet which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Vectra****Abbreviations and acronyms:**

- ATE - Acute Toxicity Estimate
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LD50 - Lethal Dose, 50% / Median Lethal dose
- STOT-RE - Specific target organ toxicity (repeated exposure)
- STOT-SE - Specific target organ toxicity (single exposure)
- EC No. - European Community Number

**End of Safety Data Sheet**