## Cortavance Cutaneous Spray Solution for Dogs (Virbac Cortavance Cutaneous Spray Solution for Dogs) Virbac (Australia) Pty Limited

Chemwatch: 23-0231

Version No: 4.1.16.10 Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Chemwatch Hazard Alert Code: 2

Issue Date: 11/01/2019 Print Date: 08/31/2021 L.GHS.AUS.EN

## SECTION 1 Identification of the substance / mixture and of the company / undertaking

### **Product Identifier**

Product name	Cortavance Cutaneous Spray Solution for Dogs (Virbac Cortavance Cutaneous Spray Solution for Dogs)		
Chemical Name	Not Applicable		
Synonyms	Not Available		
Proper shipping name	1-METHOXY-2-PROPANOL		
Chemical formula	Not Applicable		
Other means of identification	Not Available		

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

Relevant identified uses	Veterinary product used to treat dogs for skin conditions.		

## Details of the supplier of the safety data sheet

Registered company name	Virbac (Australia) Pty Limited		
Address	361 Horsley Road Milperra NSW 2214 Australia		
Telephone	1800 242 100		
Fax	+61 2 9772 9773		
Website	<u>au.virbac.com</u>		
Email	au_customerservice@virbac.com.au		

### Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	Not Available

## **SECTION 2 Hazards identification**

## Classification of the substance or mixture

## HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

### ChemWatch Hazard Ratings

	Min	Max	
Flammability	2		
Toxicity	1 📕	1	0 = Minimum
Body Contact	2	1	1 = Low
Reactivity	1 📕	1	2 = Moderate
Chronic	0		3 = High 4 = Extreme

Poisons Schedule	S4
Classification <sup>[1]</sup>	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A, Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) Category 3, Flammable Liquids Category 3
Legend:	1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

#### I abel elements

Easer elemente	
Hazard pictogram(s)	
Signal word	Warning

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H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
H226	Flammable liquid and vapour.	

## Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.		
P271	Use only outdoors or in a well-ventilated area.		
P240	Ground and bond container and receiving equipment.		
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.		
P242	Use non-sparking tools.		
P243	Take action to prevent static discharges.		
P261	Avoid breathing mist/vapours/spray.		
P280	Wear protective gloves, protective clothing, eye protection and face protection.		
P264	Wash all exposed external body areas thoroughly after handling.		

## Precautionary statement(s) Response

P370+P378	In case of fire: Use alcohol resistant foam or fine spray/water fog to extinguish.		
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/physician/first aider/if you feel unwell.		
P337+P313	If eye irritation persists: Get medical advice/attention.		
P302+P352	IF ON SKIN: Wash with plenty of water.		
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.		
P332+P313	If skin irritation occurs: Get medical advice/attention.		
P362+P364	Take off contaminated clothing and wash it before reuse.		

## Precautionary statement(s) Storage

P403+P235	Store in a well-ventilated place. Keep cool.	
P405	Store locked up.	

## Precautionary statement(s) Disposal

Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

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

P501

## Substances

See section below for composition of Mixtures

### Mixtures

CAS No	%[weight] Name	
108-65-6	>80	propylene glycol monomethyl ether - mixture of isomers
74050-20-7	0.062-0.065	hydrocortisone aceponate
Not Available		(0.584mg/ml)
Not Available	balance	other secret ingredients determined not to be hazardous
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available	

## **SECTION 4 First aid measures**

Description of first aid measures				
Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Immediately hold eyelids apart and flush the eye continuously with running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>Transport to hospital or doctor without delay.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>			
Skin Contact	<ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>			
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained.</li> </ul>			

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	Perform CPR if necessary.  Transport to hospital, or doctor.
Ingestion	<ul> <li>For advice, contact a Poisons Information Centre or a doctor at once.</li> <li>Urgent hospital treatment is likely to be needed.</li> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Transport to hospital or doctor without delay.</li> </ul>

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

Treat symptomatically.

For corticosteroid overdose:

- The adverse effects of corticosteroids are almost always due to their use in excess of physiological requirements. Symptomatic treatment is called for. Where possible the
  dose should be withdrawn or reduced. Acute renal insufficiency should be treated with intravenous hydrocortisone sodium succinate with infusions of 0.9% dextrose.
  MARTINDALE, The Extra Pharmacopoeia, 29th Ed.
- Patients or individuals exposed regularly in an occupational setting, should be evaluated periodically for evidence of HPA axis suppression. The evaluation may be performed by using the ACTH stimulation, A.M. plasma cortisol and urinary free cortisol tests. If HPA axis suppression is confirmed the individual should be removed from exposure. Recovery of the HPA axis function is generally prompt upon exposure cessation. Infrequently, signs and symptoms of glucocorticosteroid insufficiency may occur, requiring supplemental systemic corticosteroids.
- Corticosteroid overdose is usually treated by restoring fluid and electrolyte balance. Prognosis is good unless there are life-threatening symptoms, which is usually infrequent
- In case of severe symptoms that include high body temperature, increased blood pressure, abnormal heart rhythms and heart attack, stroke, or coma, the outlook can be guarded
- Nevertheless, the prognosis is dependent on the amount of drug consumed, time between overdose and treatment, severity of the symptoms, as well as general health status of the patient
- In general, overdoses are common situations in the emergency departments. A majority of the cases are often not fatal, when appropriate treatment is given.
- The management of psychiatric symptoms due to administration of corticosteroids includes the reduction of the dose or treatment discontinuation. The patient can be treated with medications normally used in patients with psychiatric or neurological disorders. Mood-stabilizing drugs, such as lithium and valproic acid, are able to control the symptoms caused by corticosteroids. Carbamazepine, inducing steroids metabolism, reduces their neurotoxic effects; atypical antipsychotics, such as olanzapine and fluoxetine (SSRI), are active on this symptoms. The effect of anti-depressive drugs are different, i.e., tricyclic antidepressants could lead to a significant worsening of symptoms, while a selective serotonin reuptake inhibitors, such as fluoxetine,[37] may improve symptoms of depression during corticosteroid therapy as well as phenytoin, lamotrigine, risperidone, quetiapine, and gabapentin.

The beginning of the appearance of symptoms induced by corticosteroids is variable. They may arise in the first phases of treatment, during, or even at the end of therapy. In most cases (86%), they occur within the first 5 days of treatment. The analysis of several studies leads to an average of 11.5 days after the beginning of corticosteroid treatment to the onset of psychiatric symptoms] 89% of patients develop symptoms in the first six weeks, 62% within two weeks, and 39% in the first week. The duration of the neuropsychiatric effects is highly variable and depends on the severity, treatment discontinuation, and by other drug therapies.

**Risk factors** 

Side effects of psychiatric type have been reported following different routes of administration, e.g., intra-articular injection, epidural, topical, and systemic.

Psychiatric side effects due to corticosteroids appear to be dose dependent; they occur in 1.3% of the cases when the dose is less than 40 mg daily and reaches 18.4% for doses of 80 mg daily.

It is not entirely clear whether gender affects the ability to manifest psychiatric symptoms, but some studies suggest that women are more prone.

Other studies show that 73% of the paediatric population receiving steroid therapy develops hyperactivity, irritability, insomnia as well as showing deficits of attention and memory, especially those under 10 years of age and/or high doses of the drug.

Miriam Ciriaco, et al Journal ListJ Pharmacol Pharmacotherv.4(Suppl1); 2013 Dec

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3853679/

### **SECTION 5 Firefighting measures**

## Extinguishing media

- Water spray or fog.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

### Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result		
Advice for firefighters			
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>If safe, switch off electrical equipment until vapour fire hazard removed.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>Avoid spraying water onto liquid pools.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> </ul>		
Fire/Explosion Hazard	<ul> <li>Liquid and vapour are flammable.</li> <li>Moderate fire hazard when exposed to heat or flame.</li> <li>Vapour forms an explosive mixture with air.</li> <li>Moderate explosion hazard when exposed to heat or flame.</li> <li>Vapour may travel a considerable distance to source of ignition.</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> <li>Combustion products include:</li> <li>carbon dioxide (CO2)</li> <li>carbon monoxide (CO)</li> <li>nitrogen oxides (NOx)</li> </ul>		

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other pyrolysis products typical of burning organic material.

SECTION 6 Accidental release measures

## Personal precautions, protective equipment and emergency procedures

See section 8

### **Environmental precautions**

See section 12

### Methods and material for containment and cleaning up

Minor Spills	<ul> <li>Remove all ignition sources.</li> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb small quantities with vermiculite or other absorbent material.</li> <li>Wipe up.</li> <li>Collect residues in a flammable waste container.</li> </ul>
Major Spills	<ul> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Consider evacuation (or protect in place).</li> <li>No smoking, naked lights or ignition sources.</li> <li>Increase ventilation.</li> <li>Stop leak if safe to do so.</li> <li>Water spray or fog may be used to disperse /absorb vapour.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Use only spark-free shovels and explosion proof equipment.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Absorb remaining product with sand, earth or vermiculite.</li> <li>Collect solid residues and seal in labelled drums for disposal.</li> <li>Wash area and prevent runoff into drains.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul>

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

## **SECTION 7 Handling and storage**

#### Precautions for safe handling Avoid all personal contact, including inhalation. Wear protective clothing when risk of overexposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid generation of static electricity. DO NOT use plastic buckets Earth all lines and equipment Use spark-free tools when handling. Safe handling Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions. DO NOT allow clothing wet with material to stay in contact with skin Store in original containers in approved flammable liquid storage area. Store away from incompatible materials in a cool, dry, well-ventilated area. DO NOT store in pits, depressions, basements or areas where vapours may be trapped No smoking, naked lights, heat or ignition sources. Storage areas should be clearly identified, well illuminated, clear of obstruction and accessible only to trained and authorised personnel adequate security must be provided so that unauthorised personnel do not have access Store according to applicable regulations for flammable materials for storage tanks, containers, piping, buildings, rooms, cabinets, allowable quantities and minimum storage distances. Use non-sparking ventilation systems, approved explosion proof equipment and intrinsically safe electrical systems. Other information + Have appropriate extinguishing capability in storage area (e.g. portable fire extinguishers - dry chemical, foam or carbon dioxide) and flammable gas detectors. Keep adsorbents for leaks and spills readily available. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS. In addition, for tank storages (where appropriate): Store in grounded, properly designed and approved vessels and away from incompatible materials. For bulk storages, consider use of floating roof or nitrogen blanketed vessels; where venting to atmosphere is possible, equip storage tank vents with flame arrestors; inspect tank vents during winter conditions for vapour/ ice build-up. Storage tanks should be above ground and diked to hold entire contents.

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## Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>Glass container is suitable for laboratory quantities</li> <li>Packing as supplied by manufacturer.</li> <li>Plastic containers may only be used if approved for flammable liquid.</li> <li>Check that containers are clearly labelled and free from leaks.</li> <li>For low viscosity materials (i) : Drums and jerry cans must be of the non-removable head type. (ii) : Where a can is to be used as an inner package, the can must have a screwed enclosure.</li> <li>For materials with a viscosity of at least 2680 cSt. (23 deg. C)</li> <li>For manufactured product having a viscosity of at least 250 cSt. (23 deg. C)</li> <li>Manufactured product that requires stirring before use and having a viscosity of at least 20 cSt (25 deg. C): (i) Removable head packaging; (ii) Cans with friction closures and (iii) low pressure tubes and cartridges may be used.</li> <li>Where combination packages are used, and the inner packages are of glass, there must be sufficient inert cushioning material in contact with inner and outer packagings</li> <li>In addition, where inner packagings are glass and contain liquids of packing group I there must be sufficient inert absorbent to absorb any spillage, unless the outer packaging is a close fitting moulded plastic box and the substances are not incompatible with the plastic.</li> </ul>
Storage incompatibility	Avoid reaction with oxidising agents

## 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	propylene glycol monomethyl ether - mixture of isomers	Propylene glycol monomethyl ether	100 ppm / 369 mg/m3	553 mg/m3 / 150 ppm	Not Available	Not Available
Australia Exposure Standards	propylene glycol monomethyl ether - mixture of isomers	1-Methoxy-2-propanol acetate	50 ppm / 274 mg/m3	548 mg/m3 / 100 ppm	Not Available	Not Available

Emergency Limits					
Ingredient	TEEL-1	-1 TEEL-2		TEEL-3	
propylene glycol monomethyl ether - mixture of isomers	100 ppm	160 ppm		660 ppm	
propylene glycol monomethyl ether - mixture of isomers	Not Available	Not Available		Not Available	
Ingredient	Original IDLH		Revised IDLH		
propylene glycol monomethyl ether - mixture of isomers	Not Available		Not Available		
hydrocortisone aceponate	Not Available		Not Available		

Occupational Exposure Banding					
Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit			
hydrocortisone aceponate	E	≤ 0.01 mg/m³			
Notes:	Occupational exposure banding is a process of assigning chemicals into s adverse health outcomes associated with exposure. The output of this pro range of exposure concentrations that are expected to protect worker hea	pecific categories or bands based on a chemical's potency and the cess is an occupational exposure band (OEB), which corresponds to a lth.			

## MATERIAL DATA

## Exposure controls

	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. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. 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. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh eigendering of a required to affectively transceptioned to approach the actively and the more the actively and the strategical to affectively transception.				
Appropriate engineering	Type of Contaminant:				
controls	solvent, vapours, degreasing etc., evaporating from tank (in still air).	0.25-0.5 m/s (50-100 f/min.)			
	aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)				
	direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)				
	Within each range the appropriate value depends on:				
	Lower end of the range Upper end of the range				

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	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents
	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity
	3: Intermittent, low production.	3: High production, heavy use
	4: Large hood or large air mass in motion	4: Small hood-local control only
	Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.	
Personal protection		
Eye and face protection	<ul> <li>When handling very small quantities of the material eye protection may not be required.</li> <li>For laboratory, larger scale or bulk handling or where regular exposure in an occupational setting occurs:</li> <li>Chemical goggles.</li> <li>Face shield. Full face shield may be required for supplementary but never for primary protection of eyes.</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 chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul>	
Skin protection	See Hand protection below	
Hands/feet protection	<ul> <li>Note:</li> <li>Note:</li> <li>The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> <li>Contaminated learher items, such as shoes, belts and watch-bands should be removed and destroyed.</li> <li>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a proparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</li> <li>The seace threak through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.</li> <li>Personal hygine is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and direid thoroughly. Application of a non-perfumed moisturiser is recommended.</li> <li>Suttability and duration of contact,</li> <li>chemical resistance of glove material,</li> <li>glove thickness and</li> <li>dexentify</li> <li>Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).</li> <li>When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.</li> <li>Some glove polymer types are less affected by movement and this should be taken into account when considering gloves for long-term use.</li> <li>Contaminated gloves should be regloand.</li> <li>As defined in ASTM F.739.96 in any application, gloves are rated as:</li> <li>Excernel when breakthrough time - 20 min</li> <li>Poor when glove mixind kegrades</li> <li>For general applicat</li></ul>	
Body protection	Neoplene gloves     See Other protection below	
Body protection	Overalls	
Other protection	<ul> <li>Overails.</li> <li>PVC Apron.</li> <li>PVC protective suit may be required if exposure severe.</li> </ul>	

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Eyewash unit.

- Ensure there is ready access to a safety shower.
- Some plastic personal protective equipment (PPE) (e.g. gloves, aprons, overshoes) are not recommended as they may produce static electricity.
- For large scale or continuous use wear tight-weave non-static clothing (no metallic fasteners, cuffs or pockets).
- Non sparking safety or conductive footwear should be considered. Conductive footwear describes a boot or shoe with a sole made from a conductive compound chemically bound to the bottom components, for permanent control to electrically ground the foot an shall dissipate static electricity from the body to reduce the possibility of ignition of volatile compounds. Electrical resistance must range between 0 to 500,000 ohms. Conductive shoes should be stored in lockers close to the room in which they are worn. Personnel who have been issued conductive footwear should not wear them from their place of work to their homes and return.

#### **Respiratory protection**

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A-AUS / Class 1	-	A-PAPR-AUS / Class 1
up to 50 x ES	Air-line*	-	-
up to 100 x ES	-	A-3	-
100+ x ES	-	Air-line**	-

\* - Continuous-flow; \*\* - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.

- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

## **SECTION 9** Physical and chemical properties

## Information on basic physical and chemical properties

Appearance	Clear colourless or slightly yellow flammable liquid with characteristic odour of ether; mixes with water.		
Physical state	Liquid	Relative density (Water = 1)	0.90-0.94
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	115-125 approx.	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	33	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Flammable.	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

## **SECTION 10 Stability and reactivity**

Reactivity	See section 7
Chemical stability	<ul> <li>Presence of elevated temperatures.</li> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

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	for Dogs)

Information on toxicological ef	fects
Inhaled	Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo. Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual. Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens, may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system. Systemic absorption of aerosols containing corticosteroids may produce adrenal insufficiency and collapse. Inhalation hazard is increased at higher temperatures. The odour of for propylene glycol <u>monomethyl</u> ether (PGME) becomes objectionable at 100 ppm and intolerable with anaesthetic effects at 1000 ppm. High vapour concentrations (above 1000 ppm) are intolerable due to severe eye, nose and throat irritation. Odour is transiently objectionable above 100 ppm PGME. Inhalation may produce central nervous system depression. High concentrations of 3000 ppm PGME. Inhalation may produce central nervous system depression. High concentrations of the beta-isomer produced slight growth depression and slight liver change and lung effects in rats and mice.
Ingestion	Accidental ingestion of the material may be damaging to the health of the individual. Corticosteroids (glucocorticoids) affect carbohydrate, protein and fat metabolism, the cardiovascular system, kidney, skeletal muscle, the nervous system and other organs and tissues. Other adverse systemic effects include effects on blood chemistry, atrophy of the adrenal cortex, spleen, thymus and lymph nodes, swelling of hepatocytes (liver cells), liver enlargement, diminished thyroid activity, hypocellularity of the marrow, bone resorption, skeletal changes and muscle wasting. The corticosteroids may also modify the ability of the body's immune system to react to diverse stimuli; this may lead to the reactivation of latent tuberculosis, enhance the effect of secondary eye infections produced by fungi or viruses or mask certain signs of infection. Hypersensitivity reactions may result. Large doses of corticosteroids may produce a nexcessive action on electrolyte balance, inhibit gluconeogenesis, delay wound healing and tissue repair and may inhibit the secretion of corticotrophin by the anterior lobe of the pituitary gland. Disturbances in electrolyte balance than those that occur naturally (mineralocorticoids are the exception). High blood glucose levels (hyperglycaemia), often concurrent with the presence of sugar in the urine, may also result following corticosteroid exposure. Other adverse effects produced by high doses of corticosteroids include those typical of hyperactivity of the adrenal cortex including a moon-shaped face, sometimes with hisruism, builsing, increased bruising, striae, and acne, and sometimes full-blown Cushing's syndrome. Cushing's syndrome describes redistribution of fat, often with great obesity, muscular weakness, skeletal weakness, high blood pressure and the characteristic nounded or 'moon' face. Symptoms are usually reversed on withdrawal of treatment. Other adverse states include amerorhoea, hyperhidrosis, mental and neurological disturbance, intracranial hypertension, acute pa
Skin Contact	The material is not thought to be a skin irritant (i.e. is unlikely to produce irritant dermatitis as described in EC Directives using animal models). Temporary discomfort, however, may result from prolonged dermal exposures. Good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Skin contact with the material may damage the health of the individual; systemic effects may result following absorption. Local adverse reactions from topical corticosteroids may include atrophy, striae, telangiectasias, burning, itching, irritation, dryness, folliculitis, acneiform eruptions, hypopigmentation, perioral dermatitis, allergic contact dermatitis, secondary infection, and miliaria. These may be more likely to occur with occlusive use, prolonged use, or use of higher potency corticosteroids. Some local adverse reactions may be irreversible Topically applied corticosteroids may be absorbed in sufficient quantity to produce systemic effects, especially when applied under occlusive conditions or to broken skin. A papication to the skin may result in collagen loss and subcutaneous atrophy and local hypopigmentation of deeply pigmented skin. A marked hypopigmentation may appear on the skin of the fingers. Sensitive individuals may experience burning, itching and dryness. Dermal exposure to corticosteroids may produce a non-allergic dermatitis characterised by moderate to severe erythema, acne and oedema. Symptoms may appear after several days of low or no exposure; lesions may resemble "sun-burn" and peeling (exfoliation) may be present. Systemic absorption may produce adrenal suppression and collapse as well as other symptoms consistent with corticosteroid exposure. These include a reversible hypothalmic-pituitary-adrenal (HPA) axis suppression with the potential for corticosteroid insufficiency after withdrawal of treatment, manifestations of Cushing's syndrome, hyperglycaemia and gluccosuria. Dermal irritation has been noted with certain topically applied
Еуе	When applied to the eye corticosteroids may produce corneal ulcers, raised intraocular pressure, and reduced visual function - systemic application has produced posterior subcapsular cataract. The vapour when concentrated has pronounced eye irritation effects and this gives some warning of high vapour concentrations. If eye irritation occurs seek to reduce exposure with available control measures, or evacuate area.
Chronic	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. There exists limited evidence that shows that skin contact with the material is capable either of inducing a sensitisation reaction in a significant number of individuals, and/or of producing positive response in experimental animals.

Chronic exposure to corticosteroids (glucocorticoids) may produce pituitary-adrenal suppression, Cushing's syndrome (redistribution of body fat

/ersion No: <b>4.1.16.10</b>			Print Date: 08/31/202
Cortava	ance Cutaneous Spray Solution for Dogs (Virba for Dogs)	ic Cortavance Cutaneous Spray Solution	
	to the face -"moon-face" - and to the back of the neck and trun response), osteoporosis, cataracts, glaucoma with possible da glycosuria (glucose in the urine), muscular weakness and fatig Repeated intake of the corticosteroids may produce metabolic osteoporosis, spontaneous fracture, nitrogen depletion and hyp corticotrophin secretion may produce atrophy of the adrenal co of children may also occur. There have been reports of joint damage following intra-articula Allergic contact dermatitis with corticosteroids is usually diagno Glucocorticoids have been shown to be teratogenic in laborato are no systematic studies which demonstrate an association b more potent corticosteroids have been shown to be teratogenic Systemically administered corticosteroids appear in human mil produce other undesirable effects. Repeated oral doses of 3 g/kg for propylene glycol <u>monomethy</u> doses on the skin over a 90-day period resulted in absorption a application of 2-4 ml/kg/day. Administration of 2% PGME in drinking water ad libitum to mal coagulating gland weights or in peripheral leukocyte counts. No to 3000 PGME, 6 hours/day, 5 days/week for 13 weeks. Oral a congenital malformations at concentrations up to 1800 mg/kg/c In a study on the teratogenic potential of the acetate of the bett litters with abnormal rats and rabbits was found after inhalation or 6 to 18 of gestation. The rabbit inhalation no-observed-adve after inhalation of 2-methoxy-1-propanol (beta-PGMA). In contor Male dogs exposed to the beta-isomer, developed numerous s rats, by gavage, caused delayed ossification of the skull of rat. Whilst alpha-PGMA undergoes hepatic O-demethylation as the dehydrogenase. Commercial PGME contains low concentration Studies with some glycol ethers (principally the monoethylene and kidney function changes. The metabolic acetic acid derivar be the proximal reproductive toxin in animals. The potency of t Consequently glycol ethers with longer substituents (e.g diethy reproductive effects. One of the most sensitive indicators of too e	k), increased susceptibility to infections (through suppression mage to the optic nerve, mental symptoms, hyperglycaemia ue, acne, menstrual disorders and peptic ulcers. effects resulting in the mobilisation of calcium and phosphor berglycaemia which may accentuate or precipitate diabetic streat and, if treatment is prolonged, acute adrenal insufficient ar injection of corticosteroids (specifically hydrocortisone) into beed by observing failure to heal rather than noting a clinical ry studies, when administered systemically at relatively low or cafter dermal application in laboratory animals. k and may suppress growth, interfere with endogenous cortic and anaesthetic death at 7-10 ml/kg/day. Mild narcosis was consignificant testicular toxicity was found in rats or rabbits that and parenteral administration to pregnant rabbits, mice and rata. exposure by the mothers to 2700 ppm or 550 ppm, respective resposure by the mothers to 2700 ppm or 550 ppm, respective for the alpha-isomer, beta-PGMA is oxidised in rats to 2-r permiophages in epididymi. Administration of high doses of the set so for glycol ethers (alkxyacetic acids), not the ether itself, hese metabolites decreases significantly as the chain length lene glycols, triethylene glycols) have not generally been assic of glycols there somer.	<ul> <li>i of inflammatory (high blood sugar) and</li> <li>us leading to ates. Inhibition of y. Growth retardation</li> <li>bload-bearing joints. exacerbation</li> <li>loses; however, there oid hormones. The</li> <li>costeroid production or</li> <li>neys in rats. Repeated bserved after topical</li> <li>eminal vesicle and t were exposed at up ts did not induce</li> <li>in the number of</li> <li>vely, on days 6 to 15, ity profile was seen nethoxypropionic acid. he beta-isomer to</li> <li>aldehyde</li> <li>cular atrophy, infertility have been found to of the ether increases. sociated with</li> <li>ease in the</li> <li>haemoglobinuria</li> <li>are mainly available, r alkoxypropionic a significant degree by ossibly haemolytic</li> </ul>
Cortavance Cutaneous Spray	τοχιςιτχ		
Solution for Dogs (Virbac Cortavance Cutaneous Spray Solution for Dogs)	Not Available	Not Available	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
	dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	Eye (rabbit) 230 mg mild	
propylene glycol monomethyl	Oral(Rat) LD50; 5155 mg/kg <sup>[1]</sup>	Eye (rabbit) 500 mg/24 h mild	
ether - mixture of isomers		Eye: no adverse effect observed (not irritating) <sup>[1</sup>	]
		Skin (rabbit) 500 mg open - mild	
		Skin: no adverse effect observed (not irritating)[	]
	τοχιζιτγ	IRRITATION	
hydrocortisone aceponate	Not Available	Not Available	
Legend:	1. Value obtained from Europe ECHA Registered Substances specified data extracted from RTECS - Register of Toxic Effect	- Acute toxicity 2.* Value obtained from manufacturer's SDS. of chemical Substances	Unless otherwise
PROPYLENE GLYCOL MONOMETHYL ETHER - MIXTURE OF ISOMERS	NOTE: Exposure of pregnant rats and rabbits to the substance effects were seen in rats but not in rabbits at this concentration Asthma-like symptoms may continue for months or even years condition known as reactive airways dysfunction syndrome (R/ compound. Key criteria for the diagnosis of RADS include the a onset of persistent asthma-like symptoms within minutes to ho spirometry, with the presence of moderate to severe bronchial lymphocytic inflammation, without eosinophilia, have also beer irritating inhalation is an infrequent disorder with rates related t Industrial bronchitis, on the other hand, is a disorder that occur particulate in nature) and is completely reversible after exposu production. for propylene glycol ethers (PGEs): Typical propylene glycol ethers include propylene glycol n-buty ether acetate (DPMA); tripropylene glycol methyl ether (TPM).	did not give rise to teratogenic effects at concentrations up to react the second seco	o 3000 ppm. Fetotoxic non-allergenic ghly irritating lividual, with abrupt low pattern, on ck of minimal hma) following an ng substance. g substance. g substance (often and mucus

Testing of a wide variety of propylene glycol ethers Testing of a wide variety of propylene glycol ethers has shown that propylene glycol-based ethers are less toxic than some ethers of the ethylene series. The common toxicities associated with the lower molecular weight homologues of the ethylene series, such as adverse effects on reproductive organs, the developing embryo and fetus, blood (haemolytic effects), or thymus, are not seen with the commercial-grade propylene glycol ethers. In the ethylene series, metabolism of the terminal hydroxyl group produces an alkoxyacetic acid. The reproductive and developmental toxicities of the lower molecular weight homologues in the ethylene series are due specifically to the formation of methoxyacetic and ethoxyacetic acids.

## Cortavance Cutaneous Spray Solution for Dogs (Virbac Cortavance Cutaneous Spray Solution for Dogs)

Species, also through formation of manufacture of PGES is a second alkoxypropionic acids and these a This alpha isomer comprises grea Because the alpha isomer comot from the lower molecular weight e commercial-grade glycol ether pre alcohol group), show a very simila showing pronounced effects from of low toxicity and completely met As a class, the propylene glycol et Dermal absorption is somewhat si portion is excreted in the faeces. As a group PGEs exhibits low acu mg/kg (DPMA). Dermal LD50s are Inhalation LC50 values were high >2,040 mg/m3. For PnB, the 4-ho occurred at these concentrations. to nonirritating. PnB is moderately None are skin sensitisers. In repeated dose toxicity tes 1,000 mg/kg-d. A dose of 273 mg DPnB. For TPM, increased kidney a 90-day study in rabbits. By inhal (600 ppm) for PnB and 2,010 mg/ study at a LOAEL of 360 mg/m3 ( liver weights without accompanyin for DPMA, it is anticipated that the One and two-generation reproduc on PM and PMA. In an inhalation organ weights occurring at the LO body weights occurring at the LO body weights occurring at the LO body weight of the evidence indica number of assays for PnB, DPnB, cells with DPnB. However, negati these PGEs would bg enotoxic <i>ii</i> The material may cause skin iritta dermatitis is often characterised b spongy layer (spongiosis) and int HYDROCORTISONE <u>ACCEPONATE</u> PROPYLENE GLYCOL MONOMETHYL ETHER-	<ul> <li>biol incapable of forming an alkoxypropionic acid. In contrast beta-isomers are able to form the di to teratogenic effects (and possibly haemolytic effects).</li> <li>b 95% of the isomeric mixture in the commercial product.</li> <li>b alkoxypropionic acid, this is the most likely reason for the lack of toxicity shown by the PGEs as distinct givcal ethers. More importantly, however, very extensive empirical test data show that this class of a low toxicity hazard. PGEs, whether mono, di- or tripropylene glycol based (and no matter what the mo flow to non-detectable toxicity of any type at doses or exposure levels greatly exceeding those ylene series. One of the primary metabolites of the propylene glycol ethers is propylene glycol, which is d in the body.</li> <li>te rapidly absorbed and distributed throughout the body when introduced by inhalation or oral exposure.</li> <li>ut subsequent distribution is rapid. Most excretion for PGEs is via the urine and expired air. A small sity by the oral, dermal, and inhalation routes. Rat oral LDE0s range from &gt;3.000 mg/kg (PnB) to &gt;5.000 mg/ms for DPMA (4-hour exposure), and TPM (1-hour exposure). For DPnB the 4-hour LSO is 0.000 mg/kg (PnB); where no deaths occurred), and ranging up to &gt;15.000 mg/kg (PnB) to &gt;5.000 mg/ms for DPMA (4-hour exposure), and TPM (1-hour exposure). For DPnB the 4-hour LSO is 0.000 as 561 pm (&gt;3.412 mg/m3), representing the highest practically attainable vapor level. No deaths dt TPM are moderately irritating to eyes while the remaining category members are only slightly irritating up to sits not histopathology). LOAELs of 350 mg/kg-d (PnB – 13 wk) and 450 mg/kg-d (PnB – 13 wk) were eases (without accompanying histopathology). LOAELs for these two chemicals were 1000 mg/kg-d in to effects were observed in 2-week studies in rats at the highest tested concentrations of 32.956 mg/kg-d in to effects were beserve in 2-week studies in rats at the highest ferse tested monocnentrations of 32.940 mg/kd - 1000 pm/kg66 mg/m3). For PMA, the NOAEL fo</li></ul>
MONOMETHYL ETHER - MIXTURE OF ISOMERS & No significant acute toxicological of HYDROCORTISONE ACEPONATE	entified in literature search.
Acute Toxicity X	Carcinogenicity X
Skin Irritation/Corrosion	Reproductivity X
	STOT - Single Exposure
Serious Eve Damage/Irritation	
Serious Eye Damage/Irritation	
Serious Eye Damage/Irritation	STOT - Repeated Exposure X

 Data either not available or set Data available to make classification - Data either not available or does not fill the criteria for classification

## **SECTION 12 Ecological information**

#### Toxicity Cortavance Cutaneous Spray Endpoint Test Duration (hr) Species Value Source Solution for Dogs (Virbac Not Not Not Cortavance Cutaneous Spray Not Available Not Available Available Available Available Solution for Dogs) Test Duration (hr) Species Endpoint Value Source propylene glycol monomethyl EC50 72h Algae or other aquatic plants >1000mg/l 2 ether - mixture of isomers LC50 96h Fish >100mg/l 2

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## Cortavance Cutaneous Spray Solution for Dogs (Virbac Cortavance Cutaneous Spray Solution for Dogs)

	EC50	48h	Crustacea	373mg/l	2
	NOEC(ECx)	336h	Fish	47.5mg/l	2
	EC50	96h	Algae or other aquatic plants	>1000mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Source
hydrocortisone aceponate	Not Available	Not Available	Not Available	Not Available	Not Available
Legend:	Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - 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.

## Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
propylene glycol monomethyl ether - mixture of isomers	LOW (Half-life = 56 days)	LOW (Half-life = 1.7 days)
Bioaccumulative potential		
Ingredient	Bioaccumulation	
propylene glycol monomethyl ether - mixture of isomers	LOW (BCF = 2)	

Mobility in soil	
Ingredient	Mobility
propylene glycol monomethyl ether - mixture of isomers	HIGH (KOC = 1)

## **SECTION 13 Disposal considerations**

## Waste treatment methods

Product / Packaging disposal	<ul> <li>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.</li> <li>A Hierarchy of Controls seems to be common - the user should investigate: <ul> <li>Reduction</li> <li>Reuse</li> <li>Recycling</li> <li>Disposal (if all else fails)</li> </ul> </li> <li>This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.</li> <li>Do NOT 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 sever 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.</li> <li>Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.</li> <li>Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or Incineration in a licensed apparatus (after admixture with suitable combustible material).</li> </ul>
	Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

## **SECTION 14 Transport information**

Subrisk

Not Applicable

Labels Required			
	3		
Marine Pollutant	NO		
HAZCHEM	•2Y		
Land transport (ADG)			
UN number	3092		
UN proper shipping name	1-METHOXY-2-PROPANOL		
Transport hazard class(es)	Class 3		

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## Cortavance Cutaneous Spray Solution for Dogs (Virbac Cortavance Cutaneous Spray Solution for Dogs)

Packing group	Ш		
Environmental hazard	Not Applicable		
Special precautions for user	Special provisions	Not Applicable 5 L	

## Air transport (ICAO-IATA / DGR)

UN number	3092			
UN proper shipping name	1-Methoxy-2-propanol			
Transport hazard class(es)	ICAO/IATA Class ICAO / IATA Subrisk ERG Code	3 Not Applicable 3L		
Packing group	II			
Environmental hazard	Not Applicable			
	Special provisions Cargo Only Packing Ir	Istructions	Not Applicable	
Special precautions for user	Cargo Only Maximum Qty / Pack		220 L	
	Passenger and Cargo Packing Instructions		355	
	Passenger and Cargo Maximum Qty / Pack		60 L	
	Passenger and Cargo Limited Quantity Packing Instructions		Y344	
	Passenger and Cargo Limited Maximum Qty / Pack		10 L	

### Sea transport (IMDG-Code / GGVSee)

UN number	3092		
UN proper shipping name	1-METHOXY-2-PROPANOL		
Transport hazard class(es)	IMDG Class     3       IMDG Subrisk     Not Applicable		
Packing group	III		
Environmental hazard	Not Applicable		
Special precautions for user	EMS Number Special provisions Limited Quantities	F-E, S-D Not Applicable 5 L	

## Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

## Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
propylene glycol monomethyl ether - mixture of isomers	Not Available
hydrocortisone aceponate	Not Available

## Transport in bulk in accordance with the ICG Code

Product name	Ship Type
propylene glycol monomethyl ether - mixture of isomers	Not Available
hydrocortisone aceponate	Not Available

## **SECTION 15 Regulatory information**

## Safety, health and environmental regulations / legislation specific for the substance or mixture

## propylene glycol monomethyl ether - mixture of isomers is found on the following regulatory lists

 Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
 Chemical Footprint Project - Chemicals of High Concern List

 Australian Inventory of Industrial Chemicals (AIIC)
 Chemical Footprint Project - Chemicals of High Concern List

### hydrocortisone aceponate is found on the following regulatory lists

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 3  $\,$ 

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 4

### **National Inventory Status**

National Inventory

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## Cortavance Cutaneous Spray Solution for Dogs (Virbac Cortavance Cutaneous Spray Solution for Dogs)

National Inventory	Status	
Australia - AIIC / Australia Non-Industrial Use	No (hydrocortisone aceponate)	
Canada - DSL	No (hydrocortisone aceponate)	
Canada - NDSL	No (hydrocortisone aceponate)	
China - IECSC	No (hydrocortisone aceponate)	
Europe - EINEC / ELINCS / NLP	No (hydrocortisone aceponate)	
Japan - ENCS	No (hydrocortisone aceponate)	
Korea - KECI	No (hydrocortisone aceponate)	
New Zealand - NZIoC	Yes	
Philippines - PICCS	No (hydrocortisone aceponate)	
USA - TSCA	No (hydrocortisone aceponate)	
Taiwan - TCSI	No (hydrocortisone aceponate)	
Mexico - INSQ	Yes	
Vietnam - NCI	No (hydrocortisone aceponate)	
Russia - FBEPH	No (hydrocortisone aceponate)	
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.	

## **SECTION 16 Other information**

Revision Date	11/01/2019
Initial Date	11/01/2009

## SDS Version Summary

\$1.11\$1.242000\$1.242000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000\$2.2420000000000000000000000000000000000	Version	Date of Update	Sections Updated
4.1.111/01/2019One-off system update. NOTE: This may or may not change the GHS classification4.1.2.104/26/2021Regulation Change4.1.3.105/06/2021Regulation Change4.1.4.105/06/2021Regulation Change4.1.5.105/06/2021Regulation Change4.1.5.205/07/2021Regulation Change4.1.5.306/04/202Template Change4.1.6.406/07/2021Regulation Change4.1.6.406/07/2021Regulation Change4.1.6.406/07/2021Regulation Change4.1.6.406/07/2021Regulation Change4.1.6.606/07/2021Regulation Change4.1.6.706/07/2021Regulation Change4.1.6.806/07/2021Regulation Change4.1.6.706/17/2021Regulation Change4.1.6.706/17/2021Regulation Change4.1.6.807/07/2021Regulation Change4.1.8.807/07/2021Regulation Change4.1.9.906/17/2021Regulation Change4.1.1.906/17/2021Regulation Change4.1.1.906/17/2021Regulation Change4.1.1.906/17/2021Regulation Change4.1.1.906/07/2021Regulation Change4.1.1.906/07/2021Regulation Change4.1.1.906/07/2021Regulation Change4.1.1.906/07/2021Regulation Change4.1.1.906/07/2021Regulation Change4.1.1.906/07/2021Regulation Change4.1.1.9 <t< td=""><td>3.1.1.1</td><td>01/24/2017</td><td>Acute Health (eye), Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Appearance, Chronic Health, Classification, Environmental, Fire Fighter (fire/explosion hazard), First Aid (eye), First Aid (swallowed), Handling Procedure, Personal Protection (Respirator), Personal Protection (eye), Personal Protection (hands/feet), Physical Properties, Storage (storage incompatibility), Storage (suitable container), Toxicity and Irritation (Other)</td></t<>	3.1.1.1	01/24/2017	Acute Health (eye), Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Appearance, Chronic Health, Classification, Environmental, Fire Fighter (fire/explosion hazard), First Aid (eye), First Aid (swallowed), Handling Procedure, Personal Protection (Respirator), Personal Protection (eye), Personal Protection (hands/feet), Physical Properties, Storage (storage incompatibility), Storage (suitable container), Toxicity and Irritation (Other)
4.1.2.104/26/2021Regulation Change4.1.3.105/03/2021Regulation Change4.1.4.105/06/2021Regulation Change4.1.5.105/01/2021Regulation Change4.1.5.205/03/2021Template Change4.1.5.306/04/2021Template Change4.1.5.406/05/2021Template Change4.1.6.406/07/2021Regulation Change4.1.6.406/07/2021Regulation Change4.1.6.506/09/2021Template Change4.1.6.606/07/2021Template Change4.1.6.706/15/2021Template Change4.1.6.606/15/2021Template Change4.1.6.706/15/2021Template Change4.1.6.706/15/2021Template Change4.1.8.706/15/2021Regulation Change4.1.8.807/05/2021Regulation Change4.1.9.807/14/2021Regulation Change4.1.10.807/14/2021Regulation Change4.1.10.908/01/2021Template Change4.1.11.908/01/2021Regulation Change4.1.11.908/01/2021Regulation Change4.1.11.908/01/2021Regulation Change4.1.11.908/01/2021Regulation Change4.1.11.908/01/2021Regulation Change4.1.11.908/01/2021Regulation Change4.1.11.908/02/2021Regulation Change4.1.11.908/02/2021Regulation Change4.1.11.908/02/2021Regulation Change4.1.11.9<	4.1.1.1	11/01/2019	One-off system update. NOTE: This may or may not change the GHS classification
41.3.1         05/03/2021         Regulation Change           4.1.4.1         05/06/2021         Regulation Change           4.1.5.1         05/10/2021         Regulation Change           4.1.5.2         05/30/2021         Template Change           4.1.5.3         06/04/2021         Template Change           4.1.5.4         06/05/2021         Template Change           4.1.5.4         06/05/2021         Template Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.5         06/09/2021         Template Change           4.1.6.6         06/07/2021         Regulation Change           4.1.6.7         06/01/2021         Template Change           4.1.6.7         06/11/2021         Template Change           4.1.6.7         06/11/2021         Regulation Change           4.1.6.7         06/11/2021         Regulation Change           4.1.6.7         06/11/2021         Regulation Change           4.1.6.7         06/11/2021         Regulation Change           4.1.6.7         06/01/2021         Regulation Change           4.1.1.8         07/14/2021         Regulation Change           4.1.1.9         08/02/201         Regulation Change           4.1.1.	4.1.2.1	04/26/2021	Regulation Change
41.4.1         05/06/2021         Regulation Change           4.1.5.1         05/10/2021         Regulation Change           4.1.5.2         05/30/2021         Template Change           4.1.5.3         06/04/2021         Template Change           4.1.5.4         06/05/2021         Template Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.5         06/09/2021         Template Change           4.1.6.6         06/17/2021         Regulation Change           4.1.6.7         06/15/2021         Template Change           4.1.6.7         06/15/2021         Template Change           4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/10/2021         Regulation Change           4.1.9.8         07/11/2021         Regulation Change           4.1.1.9         08/02/201         Regulation Change           4.1.1.9         08/02/201         Regulation Change           4.1.1.9         08/02/201         Regulation Change           4.1.1.9         08/02/201         Regulation Change           4.1.1.1	4.1.3.1	05/03/2021	Regulation Change
4.1.5.1         05/10/2021         Regulation Change           4.1.5.2         05/30/2021         Template Change           4.1.5.3         06/04/2021         Template Change           4.1.5.4         06/05/2021         Template Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.5         06/09/2021         Template Change           4.1.6.6         06/11/2021         Template Change           4.1.6.7         06/11/2021         Template Change           4.1.6.7         06/11/2021         Template Change           4.1.7.7         06/11/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Regulation Change           4.1.1.9         08/01/2021         Regulation Change           4.1.1.9         08/01/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.	4.1.4.1	05/06/2021	Regulation Change
4.1.5.2         05/30/2021         Template Change           4.1.5.3         06/04/2021         Template Change           4.1.5.4         06/05/2021         Template Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.5         06/07/2021         Template Change           4.1.6.6         06/07/2021         Template Change           4.1.6.7         06/07/2021         Template Change           4.1.6.7         06/17/2021         Template Change           4.1.6.7         06/17/2021         Template Change           4.1.8.7         06/17/2021         Template Change           4.1.8.7         06/17/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/05/2021         Regulation Change           4.1.1.9         07/14/2021         Regulation Change           4.1.1.9         08/07/2021         Regulation Change           4.1.1.9         08/07/2021         Regulation Change           4.1.1.9         08/07/2021         Regulation Change           4.1.1.9         08/05/2021         Regulation Change           4.1.1.9         08/05/2021         Regulation Change           4.1.1.9 <td>4.1.5.1</td> <td>05/10/2021</td> <td>Regulation Change</td>	4.1.5.1	05/10/2021	Regulation Change
4.1.5.3         06/04/2021         Template Change           4.1.5.4         06/05/2021         Regulation Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.5         06/09/2021         Template Change           4.1.6.6         06/11/2021         Template Change           4.1.6.7         06/15/2021         Template Change           4.1.6.7         06/17/2021         Template Change           4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/05/2021         Regulation Change           4.1.0.8         07/14/2021         Regulation Change           4.1.1.9         06/11/2021         Regulation Change           4.1.1.9         06/01/2021         Regulation Change           4.1.1.9         06/01/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.	4.1.5.2	05/30/2021	Template Change
4.1.5.4         06/05/2021         Template Change           4.1.6.4         06/07/2021         Regulation Change           4.1.6.5         06/09/2021         Template Change           4.1.6.6         06/11/2021         Template Change           4.1.6.7         06/15/2021         Template Change           4.1.6.7         06/17/2021         Regulation Change           4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/05/2021         Regulation Change           4.1.1.0.8         07/14/2021         Regulation Change           4.1.1.0.8         07/19/2021         Regulation Change           4.1.1.9         08/01/2021         Regulation Change           4.1.1.9         08/01/2021         Regulation Change           4.1.1.9         08/01/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/09/2021         Regulation Change           4.1.1.9         08/09/2021         Regulation Change	4.1.5.3	06/04/2021	Template Change
4.1.6.4         06/07/2021         Regulation Change           4.1.6.5         06/09/2021         Template Change           4.1.6.6         06/11/2021         Template Change           4.1.6.7         06/15/2021         Template Change           4.1.6.7         06/17/2021         Regulation Change           4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/14/2021         Regulation Change           4.1.1.9         06/17/2021         Regulation Change           4.1.1.9         08/01/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.5.0         08/26/2021         Regulation Change	4.1.5.4	06/05/2021	Template Change
4.1.6.5         06/09/2021         Template Change           4.1.6.6         06/11/2021         Template Change           4.1.6.7         06/15/2021         Template Change           4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/05/2021         Template Change           4.1.1.0.8         07/14/2021         Regulation Change           4.1.1.0.8         07/14/2021         Regulation Change           4.1.1.0.9         08/01/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.2.9         08/05/2021         Regulation Change           4.1.1.2.9         08/05/2021         Regulation Change           4.1.1.3.9         08/09/2021         Regulation Change           4.1.1.4.9         08/23/2021         Regulation Change           4.1.1.5.9         08/26/2021         Regulation Change           4.1.1.5.10         08/29/2021         Regulation Change           4.1.1.5.10         08/29/2021         Regulation Change	4.1.6.4	06/07/2021	Regulation Change
4.1.6.6         06/11/2021         Template Change           4.1.6.7         06/15/2021         Template Change           4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/14/2021         Regulation Change           4.1.0.8         07/14/2021         Regulation Change           4.1.10.8         07/19/2021         Regulation Change           4.1.10.8         07/19/2021         Regulation Change           4.1.10.9         08/01/2021         Template Change           4.1.1.19         08/02/2021         Regulation Change           4.1.1.2.9         08/05/2021         Regulation Change           4.1.1.2.9         08/05/2021         Regulation Change           4.1.1.2.9         08/05/2021         Regulation Change           4.1.1.3.9         08/09/2021         Regulation Change           4.1.1.4.9         08/23/2021         Regulation Change           4.1.1.5.9         08/26/2021         Regulation Change           4.1.1.5.10         08/29/2021         Regulation Change           4.1.1.6.10         08/30/2021         Regulation Change <td>4.1.6.5</td> <td>06/09/2021</td> <td>Template Change</td>	4.1.6.5	06/09/2021	Template Change
4.1.6.7         06/15/2021         Template Change           4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/14/2021         Regulation Change           4.1.0.8         07/19/2021         Regulation Change           4.1.10.8         07/19/2021         Regulation Change           4.1.10.9         08/01/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.9         08/02/2021         Regulation Change           4.1.1.2.9         08/05/2021         Regulation Change           4.1.1.3.9         08/09/2021         Regulation Change           4.1.1.4.9         08/2021         Regulation Change           4.1.1.5.9         08/2021         Regulation Change           4.1.1.5.0         08/2021         Regulation Change           4.1.1.5.10         08/2021         Regulation Change           4.1.1.6.10         08/30/2021         Regulation Change	4.1.6.6	06/11/2021	Template Change
4.1.7.7         06/17/2021         Regulation Change           4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/14/2021         Regulation Change           4.1.0.8         07/14/2021         Regulation Change           4.1.10.8         07/19/2021         Regulation Change           4.1.10.9         08/01/2021         Template Change           4.1.11.9         08/02/2021         Regulation Change           4.1.12.9         08/02/2021         Regulation Change           4.1.13.9         08/05/2021         Regulation Change           4.1.14.9         08/02/2021         Regulation Change           4.1.14.9         08/02/2021         Regulation Change           4.1.15.9         08/02/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Regulation Change           4.1.16.10         08/30/2021         Regulation Change	4.1.6.7	06/15/2021	Template Change
4.1.8.7         06/21/2021         Regulation Change           4.1.8.8         07/05/2021         Template Change           4.1.9.8         07/14/2021         Regulation Change           4.1.0.8         07/19/2021         Regulation Change           4.1.10.9         08/01/2021         Regulation Change           4.1.10.9         08/02/2021         Regulation Change           4.1.12.9         08/02/2021         Regulation Change           4.1.13.9         08/05/2021         Regulation Change           4.1.14.9         08/02/2021         Regulation Change           4.1.14.9         08/02/2021         Regulation Change           4.1.15.9         08/202021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Regulation Change           4.1.16.10         08/30/2021         Regulation Change	4.1.7.7	06/17/2021	Regulation Change
4.1.8.8       07/05/2021       Template Change         4.1.9.8       07/14/2021       Regulation Change         4.1.10.8       07/19/2021       Regulation Change         4.1.10.9       08/01/2021       Template Change         4.1.11.9       08/02/2021       Regulation Change         4.1.12.9       08/02/2021       Regulation Change         4.1.13.9       08/09/2021       Regulation Change         4.1.14.9       08/09/2021       Regulation Change         4.1.15.9       08/23/2021       Regulation Change         4.1.15.0       08/26/2021       Regulation Change         4.1.15.10       08/23/2021       Regulation Change         4.1.15.10       08/29/2021       Regulation Change	4.1.8.7	06/21/2021	Regulation Change
4.1.9.8         07/14/2021         Regulation Change           4.1.10.8         07/19/2021         Regulation Change           4.1.10.9         08/01/2021         Template Change           4.1.11.9         08/02/2021         Regulation Change           4.1.12.9         08/05/2021         Regulation Change           4.1.13.9         08/09/2021         Regulation Change           4.1.14.9         08/09/2021         Regulation Change           4.1.15.9         08/23/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Regulation Change           4.1.15.10         08/30/2021         Regulation Change	4.1.8.8	07/05/2021	Template Change
4.1.10.8       07/19/2021       Regulation Change         4.1.10.9       08/01/2021       Template Change         4.1.11.9       08/02/2021       Regulation Change         4.1.12.9       08/05/2021       Regulation Change         4.1.13.9       08/09/2021       Regulation Change         4.1.14.9       08/02/2021       Regulation Change         4.1.15.9       08/23/2021       Regulation Change         4.1.15.9       08/26/2021       Regulation Change         4.1.15.10       08/29/2021       Regulation Change         4.1.16.10       08/30/2021       Regulation Change	4.1.9.8	07/14/2021	Regulation Change
4.1.10.9         08/01/2021         Template Change           4.1.11.9         08/02/2021         Regulation Change           4.1.12.9         08/05/2021         Regulation Change           4.1.13.9         08/09/2021         Regulation Change           4.1.14.9         08/23/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Regulation Change           4.1.16.10         08/30/2021         Regulation Change	4.1.10.8	07/19/2021	Regulation Change
4.1.19         08/02/2021         Regulation Change           4.1.12.9         08/05/2021         Regulation Change           4.1.13.9         08/09/2021         Regulation Change           4.1.14.9         08/23/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Regulation Change           4.1.15.10         08/29/2021         Regulation Change           4.1.16.10         08/30/2021         Regulation Change	4.1.10.9	08/01/2021	Template Change
4.1.12.9         08/05/2021         Regulation Change           4.1.13.9         08/09/2021         Regulation Change           4.1.14.9         08/23/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Regulation Change           4.1.16.10         08/30/2021         Regulation Change	4.1.11.9	08/02/2021	Regulation Change
4.1.13.9         08/09/2021         Regulation Change           4.1.14.9         08/23/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Template Change           4.1.16.10         08/30/2021         Regulation Change	4.1.12.9	08/05/2021	Regulation Change
4.1.4.9         08/23/2021         Regulation Change           4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Template Change           4.1.16.10         08/30/2021         Regulation Change	4.1.13.9	08/09/2021	Regulation Change
4.1.15.9         08/26/2021         Regulation Change           4.1.15.10         08/29/2021         Template Change           4.1.16.10         08/30/2021         Regulation Change	4.1.14.9	08/23/2021	Regulation Change
4.1.15.10         08/29/2021         Template Change           4.1.16.10         08/30/2021         Regulation Change	4.1.15.9	08/26/2021	Regulation Change
4.1.16.10 08/30/2021 Regulation Change	4.1.15.10	08/29/2021	Template Change
	4.1.16.10	08/30/2021	Regulation Change

### Other information

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.

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 ES: Exposure Standard 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 AIIC: Australian Inventory of Industrial Chemicals DSL: Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances NLP: No-Longer Polymers ENCS: Existing and New Chemical Substances Inventory KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances This document is copyright.

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TEL (+61 3) 9572 4700.