

# Ilium Dexapent Anti-inflammatory & Glucogenic Steroid Injection Troy Laboratories Pty Ltd

Chemwatch: **5398-39** Version No: **5.1.1.1** Safety Data Sheet according to WHS and ADG requirements Chemwatch Hazard Alert Code: 2 Issue Date: 11/08/2020

Print Date: 12/08/2020 S.GHS.AUS.EN

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

#### **Product Identifier**

Product name	Ilium Dexapent Anti-inflammatory & Glucogenic Steroid Injection
Synonyms	APVMA number: 50583
Other means of identification	Not Available

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

Relevant identified uses	Anti-inflammatory and glucogenic steroid injection for use in horse and cattle. To be used as directed on product label.
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### Details of the supplier of the safety data sheet

Registered company name	Troy Laboratories Pty Ltd
Address	37 Glendenning Road Glendenning NSW 2761 Australia
Telephone	02 8808 3600
Fax	02 9677 9300
Website	www.Troylab.com.au
Email	admin@troylab.com.au

#### Emergency telephone number

Association / Organisation	Troy Laboratories Pty Ltd	
Emergency telephone numbers	02 8808 3600 (Office hours (8am – 4pm, Monday to Friday))	
Other emergency telephone numbers	Not Available	

### **SECTION 2 Hazards identification**

#### Classification of the substance or mixture

Poisons Schedule	S4	
Classification <sup>[1]</sup>	Skin Sensitizer Category 1	
Legend:	1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI	

Label elements	
Hazard pictogram(s)	
Signal word	Warning
Hazard statement(s)	
H317	May cause an allergic skin reaction.
Precautionary statement(s) Pre	evention
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
Precautionary statement(s) Re	sponse
P321	Specific treatment (see advice on this label).
P363	Wash contaminated clothing before reuse.

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

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Continued...

### Ilium Dexapent Anti-inflammatory & Glucogenic Steroid Injection

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

### Precautionary statement(s) Storage

Not Applicable

### Precautionary statement(s) Disposal

P501

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

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

#### Substances

See section below for composition of Mixtures

### Mixtures

CAS No	%[weight]	Name
100-51-6	1-10	benzyl alcohol
2392-39-4	<1	dexamethasone sodium phosphate
Not Available	balance	Ingredients determined not to be hazardous

### **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. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>
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.

### **SECTION 5 Firefighting measures**

### Extinguishing media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.

Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances. In such an event consider:

- foam.
- dry chemical powder.

carbon dioxide.

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

Fire Incompatibility	None known.
Advice for firefighters	
Advice for menginers	
	Alert Fire Brigade and tell them location and nature of hazard.
	Wear breathing apparatus plus protective gloves in the event of a fire.
	Prevent, by any means available, spillage from entering drains or water courses.
Eiro Eighting	Use fire fighting procedures suitable for surrounding area.
Fire Fighting	DO NOT approach containers suspected to be hot.
	Cool fire exposed containers with water spray from a protected location.

If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.

	<ul> <li>The material is not readily combustible under normal conditions.</li> <li>However, it will break down under fire conditions and the organic component may burn.</li> <li>Not considered to be a significant fire risk.</li> </ul>
	Heat may cause expansion or decomposition with violent rupture of containers.
	Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).
	May emit acrid smoke.
Fire/Explosion Hazard	
	Decomposes on heating and produces toxic fumes of:
	carbon dioxide (CO2)
	sulfur oxides (SOx)
	other pyrolysis products typical of burning organic material.
	May emit poisonous fumes.
	May emit corrosive fumes.
HAZCHEM	Not Applicable

### **SECTION 6 Accidental release measures**

Personal precautions, protective equipment and emergency procedure	s
See section 8	

### Environmental precautions

See section 12

### Methods and material for containment and cleaning up

Minor Spills	<ul> <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 spill with sand, earth, inert material or vermiculite.</li> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>
Major Spills	<ul> <li>Moderate hazard.</li> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Stop leak if safe to do so.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Neutralise/decontaminate residue (see Section 13 for specific agent).</li> <li>Collect solid residues and seal in labelled drums for disposal.</li> <li>Wash area and prevent runoff into drains.</li> <li>After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</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

Safe handling		
Other information	<ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li>Protect containers against physical damage and check regularly for leaks.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>	
Conditions for safe storage, including any incompatibilities		

Suitable container	<ul> <li>Glass container is suitable for laboratory quantities</li> <li>Polyethylene or polypropylene container.</li> <li>Packing as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>
Storage incompatibility	None known

## **SECTION 8 Exposure controls / personal protection**

Control parameters					
Occupational Exposure Lir	Occupational Exposure Limits (OEL)				
INGREDIENT DATA					
Not Available	Not Available				
Emergency Limits					
Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3	
benzyl alcohol	Benzyl alcohol	30 ppm	52 ppm	740 ppm	
Ingradiant	Original IDLH		Revised IDLH		
Ingredient	Original IDLH	· · · · · · · · · · · · · · · · · · ·	Revised IDLA		

Ingredient	Original IDLH	Revised IDLH			
benzyl alcohol	Not Available	Not Available			
dexamethasone sodium phosphate	Not Available	Not Available			
Occupational Exposure Banding	Occupational Exposure Banding				
Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit			
benzyl alcohol	E	≤ 0.1 ppm			
dexamethasone sodium phosphate	E	≤ 0.01 mg/m³			
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.				

## Exposure controls

	Enclosed local exhaust ventilation is required at points of dus	t, fume or vapour generation.		
	HEPA terminated local exhaust ventilation should be considered at point of generation of dust, fumes or vapours.			
	Barrier protection or laminar flow cabinets should be considered for laboratory scale handling.			
	A fume hood or vented balance enclosure is recommended for	or weighing/ transferring quantities exceeding 500 mg.		
	When handling quantities up to 500 gram in either a standard laboratory with general dilution ventilation (e.g. 6-12 air changes per hour) is preferred. Quantities up to 1 kilogram may require a designated laboratory using fume hood, biological safety cabinet, or approved vented enclosures. Quantities exceeding 1 kilogram should be handled in a designated laboratory or containment laboratory using appropriate barrier/ containment technology.			
	Manufacturing and pilot plant operations require barrier/ conta	ainment and direct coupling technologies.		
	Barrier/ containment technology and direct coupling (totally enclosed processes that create a barrier between the equipment and the room) typically use double or split butterfly valves and hybrid unidirectional airflow/ local exhaust ventilation solutions (e.g. powder containment booths). Glove bags, isolator glove box systems are optional. HEPA filtration of exhaust from dry product handling areas is required.			
	Fume-hoods and other open-face containment devices are acceptable when face velocities of at least 1 m/s (200 feet/minute) are achieved. Partitions, barriers, and other partial containment technologies are required to prevent migration of the material to uncontrolled areas. For non-routine emergencies maximum local and general exhaust are necessary. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.			
	Type of Contaminant:		Air Speed:	
	solvent, vapours, etc. evaporating from tank (in still air)		0.25-0.5 m/s (50-100 f/min.)	
	aerosols, fumes from pouring operations, intermittent conta low velocity into zone of active generation)	0.5-1 m/s (100-200 f/min.)		
Appropriate engineering controls	direct spray, drum filling, conveyer loading, crusher dusts, g motion)	1-2.5 m/s (200-500 f/min.)		
	Within each range the appropriate value depends on:			
	Lower end of the range	Upper end of the range		
	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 1-2.5 m/s (200-500 f/min.) for extraction of gases discharged 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.			
	The need for respiratory protection should also be assessed where incidental or accidental exposure is anticipated: Dependent on levels of contamination, PAPR, full face air purifying devices with P2 or P3 filters or air supplied respirators should be evaluated.			
	The following protective devices are recommended where exposures exceed the recommended exposure control guidelines by factors of:			
	10; high efficiency particulate (HEPA) filters or cartridges			
	10-25; loose-fitting (Tyvek or helmet type) HEPA powered-air purifying respirator.			
	25-50; a full face-piece negative pressure respirator with HEPA filters			
	50-100; tight-fitting, full face-piece HEPA PAPR			
	100-1000; a hood-shroud HEPA PAPR or full face-piece supplied air respirator operated in pressure demand or other positive pressure mode.			

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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: <ul> <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></li></ul>
Skin protection	See Hand protection below
Hands/feet protection	<ul> <li>Rubber gloves (nitrile or low-protein, powder-free latex, latex/ nitrile). Employees allergic to latex gloves should use nitrile gloves in preference.</li> <li>Double gloving should be considered.</li> <li>PVC gloves.</li> <li>Change gloves frequently and when contaminated, punctured or torn.</li> <li>Wash hands immediately after removing gloves.</li> <li>Protective shoe covers. [AS/NZS 2210]</li> <li>Head covering.</li> </ul>
Body protection	See Other protection below
Other protection	<ul> <li>For quantities up to 500 grams a laboratory coat may be suitable.</li> <li>For quantities up to 1 kilogram a disposable laboratory coat or coverall of low permeability is recommended. Coveralls should be buttoned at collar and cuffs.</li> <li>For quantities over 1 kilogram and manufacturing operations, wear disposable coverall of low permeability and disposable shoe covers.</li> <li>For manufacturing operations, air-supplied full body suits may be required for the provision of advanced respiratory protection.</li> <li>Eye wash unit.</li> <li>Ensure there is ready access to an emergency shower.</li> <li>For Emergencies: Vinyl suit</li> </ul>

**Respiratory protection** 

ANSI Z88 or national equivalent)

### Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

Ilium Dexapent Anti-inflammatory & Glucogenic Steroid Injection

Material	CPI
BUTYL	A
NAT+NEOPR+NITRILE	С
NATURAL RUBBER	С
NATURAL+NEOPRENE	С
NEOPRENE	С
NEOPRENE/NATURAL	С
NITRILE	С
NITRILE+PVC	С
PE	С
PE/EVAL/PE	С
PVA	С
VVC	С
SARANEX-23	С
SARANEX-23 2-PLY	С
EFLON	С
/ITON	С
VITON/CHLOROBUTYL	С

\* CPI - Chemwatch Performance Index

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion  ${\bf NOTE}:$  As a series of factors will influence the actual performance of the glove, a final

selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted. Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001,

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class1	-
up to 50	1000	-	A-AUS / Class 1
up to 50	5000	Airline *	-
up to 100	5000	-	A-2
up to 100	10000	-	A-3
100+			Airline**

\* - 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

A: Best Selection

## Information on basic physical and chemical properties

Appearance	Clear colourless liquid with very faint characteristic odour; mixes with water.		
Physical state	Liquid	Relative density (Water = 1)	1.01
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	7.5-8.5	Decomposition temperature	Not Available
Melting point / freezing point (°C)	~0	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	~100	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	2.37 @20C	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	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>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

## **SECTION 11 Toxicological information**

### Information on toxicological effects

Inhaled	The material is not thought to produce respiratory irritation (as classified by EC Directives using animal models). Nevertheless inhalation of vapours, fumes or aerosols, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress.		
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.		
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.		
Eye	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).		
Chronic	) Ample evidence from experiments exists that there is a suspicion this material directly reduces fertility. Based on experience with animal studies, exposure to the material may result in toxic effects to the development of the foetus, at levels which do not cause significant toxic effects to the mother. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.		
llium Dexapent	ΤΟΧΙΟΙΤΥ	IRRITATION	
Anti-inflammatory & Glucogenic Steroid Injection	Not Available	Not Available	
Slucogenic Steroid Injection			
Slucogenic Steroid Injection	ΤΟΧΙΟΙΤΥ	IRRITATION	
Slucogenic Steroid Injection	TOXICITY Dermal (rabbit) LD50: 2000 mg/kg <sup>[2]</sup>	IRRITATION Eye (rabbit): 0.75 mg open SEVERE	
Slucogenic Steroid Injection	Dermal (rabbit) LD50: 2000 mg/kg <sup>[2]</sup>	Eye (rabbit): 0.75 mg open SEVERE	
	Dermal (rabbit) LD50: 2000 mg/kg <sup>[2]</sup> Inhalation (rat) LC50: >4.178 mg/l/4h <sup>[2]</sup>	Eye (rabbit): 0.75 mg open SEVERE Eye: adverse effect observed (irritating) <sup>[1]</sup>	
	Dermal (rabbit) LD50: 2000 mg/kg <sup>[2]</sup> Inhalation (rat) LC50: >4.178 mg/l/4h <sup>[2]</sup>	Eye (rabbit): 0.75 mg open SEVERE Eye: adverse effect observed (irritating) <sup>[1]</sup> Skin (man): 16 mg/48h-mild	
	Dermal (rabbit) LD50: 2000 mg/kg <sup>[2]</sup> Inhalation (rat) LC50: >4.178 mg/l/4h <sup>[2]</sup>	Eye (rabbit): 0.75 mg open SEVERE         Eye: adverse effect observed (irritating) <sup>[1]</sup> Skin (man): 16 mg/48h-mild         Skin (rabbit):10 mg/24h open-mild	

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

BENZYL ALCOHOL	consumers, AAA fragrance ingredients are non-irritating	the czema, more rarely as urticaria or ne reaction of the delayed type. Othe ficance of the contact allergen is not s intact with it are equally important. A vith stronger sensitising potential with produce an allergic test reaction in m members of benzyl alkyl alcohols cor r to cancer causing ethyl benzene, pt ium salt have a common metabolic an ey may cause slight irritation by oral, d increased mortality, reduced weight occur with benzyl alcohol. However, 1 aternal toxic level. need cosmetic products include allerge mented contact dermatitis. Airborne a no re-exposure. Allergic contact derma for fitness for work. ance to perfumes by inhalation may c e, shortness of breath with exertion, a tivity of the airway without producing uch as isoamyl acetate, limonene, cir w occupational exposure limits. Preve of hand eczema or a complication of nical significance of fragrance contact ased by perfume in deodorants and, if ilted a skin specialist, a history of suc or the use of cosmetic products is er part of the neck. Men using wet shav , such as citral, are known to be irritar ic alcohol and Myroxylon pereirae are orted. r "pigmented cosmetic dermatitis", ref s were associated, including jasmine in geranium oil. Illergic reactions mediated by light and incose have caused phototoxic reactio tions still occur, but are rare. ore, in addition to skin exposure, a pe ed by respiratory or eye symptoms ba a-like symptoms can be provoked by ces and contact allergy to fragrance i ph chemicals thacuse an immune r in the skin (bioactivation, usually via i acts as a prehaptern or a prohapten , in athereby form haptens are refer s. Activation processes increase the ri ng and deactivating prohaptens. Skin encobiotic bioactivation reactions, clin hese substances is complex, especia r repeated exposure and may produce vatives generally regarded as safe (G mals, they are rapidly absorbed, broke city and mutations. The intake of ben added flavouring substances. diverse chemical structures, with sim ity by skin contact and swallowing.	Quincke's oedema. The pathogenesis of contact r allergic skin reactions, e.g. contact urticaria, simply determined by its sensitisation potential: the weakly sensitising substance which is widely which few individuals come into contact. From a ore than 1% of the persons tested. tributes to break down reactions but do not undergo tenethyl alcohol is only of negligible concern due to and excretion pathway. All but benzyl alcohol are dermal or inhalation exposure except sodium gain, liver and kidney effects at higher doses, also, hey do not cause cancer, genetic or reproductive pic contact dermatitis, irritant contact dermatitis, nd connubial contact dermatitis occurs. Contact atitis can be severe and widespread, with significant ccur. Symptoms may include general unwellness, cute respiratory illness, hayfever, asthma and other allergy or airway obstruction. Breathing through a unamaldehyde and benzaldehyde, tend to give ention of contact sensitization to fragrances is an irritant or atopic hand eczema. However hand allergy in severe, chronic hand eczema may not be the reaction is severe, it may spread down the arms in first-time symptoms was significantly related to the exema of the face. In men, after-shave products can ing as opposed to dry have been shown to have an int. Fragrances may cause a dose-related contact known to cause hives, but others, including erring to increased pigmentation on the face and absolute, ylang-ylang oil, cananga oil, benzyl d was later banned from use in Europe. Ins, with redness. There are now limits for the rfume also exposes the eyes and the nose / airway. / such an exposure. It is known that exposure to sensory mechanisms. A significant association was ingredients and hand eczema. esponse only when attached to a carrier protein. tivation. A prehapten is a chemical that itself causes a e azyme catalysis. It is not always possible to know or both. red to prohaptens. The possibility of a prohapten sk for cross-reactivity between fragrance sensitization. Ily for hapse substances tha
	fragrances demonstrate low acute and subchronic toxicity by skin contact and swallowing. At concentrations likely to be encountered by consumers, AAA fragrance ingredients are non-irritating to the skin. The potential for eye irritation is minimal. With the exception of benzyl alcohol, phenethyl and 2-phenoxyethyl AAA alcohols, testing in humans indicate that AAA fragrance ingredients generally have no or low sensitization potential. Available data indicate that the potential for photosensitization is low. Testing suggests that at current human exposure levels, this group of chemicals does not cause maternal or developmental toxicity. Animal testing shows no cancer-causing evidence, with little or no genetic toxicity. It has been concluded that these materials would not present a safety		
	concern at current levels of use, as fragrance ingredient		ued that these materials would not present a safety
DEXAMETHASONE SODIUM PHOSPHATE	Exposure to the material for prolonged periods may cause physical defects in the developing embryo (teratogenesis). Changes in recordings from specific areas of the CNS, gastrointestinal changes, peritonitis, cardiac changes, elevated blood pressure, respiratory tract changes, foetolethality, foetotoxicity, specific developmental abnormalities (craniofacial, central nervous system, body wall), effects on newborn, maternal effects, reproductive effects recorded.		
Acute Toxicity	X	Carcinogenicity	X
Skin Irritation/Corrosion	X	Reproductivity	X
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	*	STOT - Repeated Exposure	×
	×	Agnitation Hazard	×
Mutagenicity	×	Aspiration Hazard	×

Legena:

👗 – Data either not available or does not hill the criteria for classification

✔ – Data available to make classification

## SECTION 12 Ecological information

Endpoint	Test Duration (hr)	Species	Value	Source
Not Available	Not Available	Not Available	Not Available	Not Available
Endpoint	Test Duration (hr)	Species	Value	Source
LC50	96	Fish	10mg/L	2
EC50	48	Crustacea	230mg/L	2
EC50	96	Algae or other aquatic plants	76.828mg/L	2
NOEC	336	Fish	5.1mg/L	2
Endpoint	Test Duration (hr)	Species	Value	Source
Not Available	Not Available	Not Available	Not Available	Not Available
	Not Available Endpoint LC50 EC50 EC50 NOEC Endpoint Not	Not AvailableNot AvailableEndpointTest Duration (hr)LC5096EC5048EC5096NOEC336EndpointTest Duration (hr)NotNot Available	Not Available     Not Available     Not Available       Endpoint     Test Duration (hr)     Species       LC50     96     Fish       EC50     48     Crustacea       EC50     96     Algae or other aquatic plants       NOEC     336     Fish       Endpoint     Test Duration (hr)     Species       Not     Not Available     Not Available	Not AvailableNot AvailableNot AvailableNot AvailableEndpointTest Duration (hr)SpeciesValueLC5096Fish10mg/LEC5048Crustacea230mg/LEC5096Algae or other aquatic plants76.828mg/LNOEC336Fish5.1mg/LEndpointTest Duration (hr)SpeciesValueNotNot AvailableNot AvailableNot

### DO NOT discharge into sewer or waterways.

#### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
benzyl alcohol	LOW	LOW
Rioaccumulative notential		

#### Bioaccumulative potential

Ingredient	Bioaccumulation
benzyl alcohol	LOW (LogKOW = 1.1)

## Mobility in soil

Ingredient	Mobility
benzyl alcohol	LOW (KOC = 15.66)

### **SECTION 13 Disposal considerations**

Waste treatment methods	
Product / Packaging disposal	<ul> <li>Containers may still present a chemical hazard/ danger when empty.</li> <li>Return to supplier for reuse/ recycling if possible.</li> <li>Otherwise:</li> <li>If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.</li> <li>Where possible retain label warnings and SDS and observe all notices pertaining to the product.</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 sewer may be subject to local laws and regulations and these should be considered first.</li> <li>Where in doubt contact the responsible authority.</li> <li>Recycle wherever possible.</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> <li>Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.</li> </ul>

### **SECTION 14 Transport information**

Labels Required		
Marine Pollutant	NO	
HAZCHEM	Not Applicable	

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

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

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

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

Not Applicable

### **SECTION 15 Regulatory information**

Safety, health and environmental regulations / legislation specific for the substance or mixture
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#### benzyl alcohol is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

dexamethasone sodium phosphate is found on the following regulatory lists Australia Chemicals with non-industrial uses removed from the Australian Inventory of Chemical Substances (old Inventory) Australian Inventory of Industrial Chemicals (AIIC)

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

### **National Inventory Status**

National Inventory	Status	
Australia - AIIC	No (dexamethasone sodium phosphate)	
Australia - AIIC / Australia Non-Industrial Use	No (benzyl alcohol)	
Canada - DSL	No (dexamethasone sodium phosphate)	
Canada - NDSL	No (benzyl alcohol)	
China - IECSC	No (dexamethasone sodium phosphate)	
Europe - EINEC / ELINCS / NLP	Yes	
Japan - ENCS	No (dexamethasone sodium phosphate)	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	
Russia - ARIPS	No (dexamethasone sodium phosphate)	
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)	

### **SECTION 16 Other information**

Revision Date	11/08/2020
Initial Date	04/05/2020

### SDS Version Summary

Version	Issue Date	Sections Updated
4.1.1.1	08/05/2020	Chronic Health, Classification
5.1.1.1	11/08/2020	Classification

#### 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 OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LODE: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors BEI: Biological Exposure Index

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