

SAFETY DATA SHEET

Cyrex PS Liquid Sheep Blowfly and Lice Treatment

Section 1. Identification

Product identifier	: Cyrex PS Liquid Sheep Blowfly and Lice Treatment
Product code	: Not available.
Other means of identification	: 1,3,5-Triazine-2,4,6-triamine, N-cyclopropyl; 1H-as-Indaceno[3,2-d]oxacyclododecinc-7,15-dione, 2-[(6-deoxy-2,3,4-tri-O-methylalpha-L-mannopyranosyl)oxy]-13-[(2R,5S,6R)-5-(dimethylamino)tetrahydro; 1H-as-Indaceno[3,2-d]oxacyclododecinc-7,15-dione, 2-[(6-deoxy-2,3,4-tri-O-tetrahydro-6-methyl-2H-pyran-2-yl)oxy]-9-ethyl-2,3,3a,5a,5b,6,9,10,11,12,13,1; AH0969; Cyrex; Elanco Cyrex Liquid Sheep Blowfly and Lice Treatment; Sheep Blowfly and lice treatment

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

Identified uses	: Veterinary product.
Uses advised against	: None known.

Company Name	: Elanco Australasia Pty Ltd Level 3, 7 Eden Park Drive Macquarie Park NSW 2113 Australia
Telephone number	: 1800 995 709 (Adverse Events Local Number)
Emergency telephone number	: CHEMTREC International: 00 1 703-527-3887 (24 hours) CHEMTREC: +61 2 9037 2994 (Local) CHEMTREC: 1800 862 115 (Freephone)
Email	: elanco_sds@elancoah.com

Section 2. Hazard(s) identification

Classification of the substance or mixture	: SKIN SENSITISATION - Category 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.3%
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GHS label elements

Hazard pictograms



Signal word

Hazard statements

: **WARNING**

: **H317 - May cause an allergic skin reaction.**
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

: P280 - Wear protective gloves.
P273 - Avoid release to the environment.
P261 - Avoid breathing vapour.

Response

: P391 - Collect spillage.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.

Storage

: Not applicable.

Section 2. Hazard(s) identification

Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Not applicable.
Other hazards which do not result in classification	: None known.

Section 3. Composition and ingredient information

Substance/mixture : Mixture

Ingredient name	% (w/w)	Identifiers
Cyromazine	≥30 - ≤60	CAS: 66215-27-8 EC: 266-257-8
propylene glycol	≤5	CAS: 57-55-6 EC: 200-338-0
Spinosad	≤2.4	CAS: 168316-95-8 EC: 434-300-1
octamethylcyclotetrasiloxane	≤0.58	CAS: 556-67-2 EC: 209-136-7
1,2-Benzisothiazol-3(2H)-one, sodium salt	≤0.3	CAS: 58249-25-5 EC: 261-184-8

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get

Section 4. First aid measures

medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

- Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides

Special protective actions for fire-fighters

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Cyromazine	ACGIH TLV (United States, 1/2024) A4. TWA 8 hours: 2 mg/m ³ . Form: Inhalable fraction. Elanco OEL (ELANCO) TWA 8 hours: 0.14 mg/m ³ . Safe Work Australia (Australia, 1/2024) TWA 8 hours: 150 ppm. Form: Vapor and particulates. TWA 8 hours: 474 mg/m ³ . Form: Vapor and particulates. TWA 8 hours: 10 mg/m ³ . Form: Particulate. EH40/2005 WELs (United Kingdom (UK), 1/2020) TWA 8 hours: 474 mg/m ³ . Form: total vapour and particulates. TWA 8 hours: 150 ppm. Form: total vapour and particulates. TWA 8 hours: 10 mg/m ³ . Form: Particulate.
propylene glycol	Supplier OEL (ELANCO) TWA 8 hours: 300 µg/m ³ .
Spinosad	

Biological exposure indices

No exposure indices known.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Section 8. Exposure controls and personal protection

Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.																																															
Colour	: Not available.																																															
Odour	: Not available.																																															
Odour threshold	: Not available.																																															
pH	: 6.8 to 7.2																																															
Melting point/freezing point	: Not available.																																															
Boiling point or initial boiling point and boiling range	: Not available.																																															
Flash point	<table border="1"><thead><tr><th rowspan="2">Ingredient name</th><th colspan="3">Closed cup</th><th colspan="3">Open cup</th></tr><tr><th>°C</th><th>°F</th><th>Method</th><th>°C</th><th>°F</th><th>Method</th></tr></thead><tbody><tr><td>octamethylcyclotetrasiloxane</td><td>56</td><td>132.8</td><td></td><td></td><td></td><td></td></tr><tr><td>propylene glycol</td><td>99</td><td>210.2</td><td></td><td></td><td></td><td></td></tr><tr><td>citric acid</td><td>100</td><td>212</td><td></td><td></td><td></td><td></td></tr></tbody></table>							Ingredient name	Closed cup			Open cup			°C	°F	Method	°C	°F	Method	octamethylcyclotetrasiloxane	56	132.8					propylene glycol	99	210.2					citric acid	100	212											
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Evaporation rate	: Not available.																																															
Flammability	: Not available.																																															
Lower and upper explosion limit/flammability limit	: Not available.																																															
Vapour pressure	<table border="1"><thead><tr><th rowspan="2">Ingredient name</th><th colspan="3">Vapour Pressure at 20°C</th><th colspan="3">Vapour pressure at 50°C</th></tr><tr><th>mm Hg</th><th>kPa</th><th>Method</th><th>mm Hg</th><th>kPa</th><th>Method</th></tr></thead><tbody><tr><td>water</td><td>17.5</td><td>2.3</td><td></td><td></td><td></td><td></td></tr><tr><td>octamethylcyclotetrasiloxane</td><td>0.99008</td><td>0.13</td><td></td><td></td><td></td><td></td></tr><tr><td>propylene glycol</td><td>0.15</td><td>0.02</td><td>EU A.4</td><td></td><td></td><td></td></tr><tr><td>citric acid</td><td>0.000000017</td><td>0.000000023</td><td></td><td></td><td></td><td></td></tr></tbody></table>							Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C			mm Hg	kPa	Method	mm Hg	kPa	Method	water	17.5	2.3					octamethylcyclotetrasiloxane	0.99008	0.13					propylene glycol	0.15	0.02	EU A.4				citric acid	0.000000017	0.000000023				
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Solubility(ies)	<table border="1"><thead><tr><th>Media</th><th>Result</th></tr></thead><tbody><tr><td>cold water</td><td>Easily soluble</td></tr><tr><td>hot water</td><td>Easily soluble</td></tr></tbody></table>							Media	Result	cold water	Easily soluble	hot water	Easily soluble																																			
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hot water	Easily soluble																																															
Solubility in water	: Not available.																																															
Partition coefficient: n-octanol/water	: Not applicable.																																															
Auto-ignition temperature	:																																															

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	°C	°F	Method
propylene glycol	371	699.8	
octamethylcyclotetrasiloxane	384 to 387	723.2 to 728.6	ASTM E 659
citric acid	1010	1850	

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Flow time (ISO 2431) : Not available.

Particle characteristics

Median particle size : Not applicable.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name

Cyromazine

Result

Rat - Dermal - LD50

3100 mg/kg

Rat - Oral - LD50

3387 mg/kg

Rat - Oral - LD50

20 g/kg

Rabbit - Dermal - LD50

20800 mg/kg

Rat - Oral - LD50

3738 mg/kg

Rabbit - Dermal - LD50

>5000 mg/kg

Rat - Dermal - LD50

2800 mg/kg

Rat - Inhalation - LC50 Dusts and mists

>5180 mg/m³ [4 hours]

Rat - Dermal - LD50

1770 mg/kg

Toxic effects: Behavioral - Tremor Gastrointestinal - Changes in structure or function of salivary glands Liver - Other changes

Rat - Oral - LD50

propylene glycol

Spinosad

octamethylcyclotetrasiloxane

Section 11. Toxicological information

1540 mg/kg
Toxic effects: Behavioral - Tremor
Rat - Inhalation - LC50 Vapour
36 g/m³ [4 hours]
Toxic effects: Behavioral - Excitement Lung, Thorax, or Respiration - Dyspnea Other - Hair

Conclusion/Summary[Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
propylene glycol	Child - Skin - Moderate irritant Duration of treatment/exposure: 96 hours Amount/concentration applied: 30 % C
Spinosad	Human - Skin - Mild irritant Duration of treatment/exposure: 168 hours Amount/concentration applied: 500 mg
octamethylcyclotetrasiloxane	Human - Skin - Moderate irritant Duration of treatment/exposure: 72 hours Amount/concentration applied: 104 mg I
	Woman - Skin - Mild irritant Duration of treatment/exposure: 96 hours Amount/concentration applied: 30 %
	Rabbit - Skin - Not irritant OECD [Acute Dermal Irritation/Corrosion]
	Rabbit - Skin - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary[Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
propylene glycol	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
octamethylcyclotetrasiloxane	Rabbit - Eyes - Mild irritant Amount/concentration applied: 100 mg
	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary[Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary[Product] : Not available.

Respiratory or skin sensitization

Product/ingredient name	Result
Spinosad	Guinea pig - skin OECD [Skin Sensitization] <u>Result:</u> Not sensitizing

Section 11. Toxicological information

Skin

Conclusion/Summary[Product] : Not available.

Respiratory

Conclusion/Summary[Product] : Not available.

Germ cell mutagenicity

Product/ingredient name

Spinosad

Result

In vitro - Mammalian-Animal

OECD [In vitro Mammalian Cell Gene Mutation Test]

Result: Negative

In vitro - Mammalian-Animal

OECD [Bacterial Reverse Mutation Test]

Result: Negative

In vitro - Mammalian-Animal

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

In vitro - Mammalian-Animal

OECD [Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells in vitro]

Result: Negative

Conclusion/Summary[Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary[Product] : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary[Product] : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Product/ingredient name

Spinosad

Result

Chronic - Rat - Male, Female - Oral - NOEL

OECD [Repeated Dose 90-Day Oral Toxicity Study in Rodents]
7.7 to 8.6 mg/kg [13 weeks]

Conclusion/Summary[Product] : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Cyromazine	3387	3100	N/A	N/A	N/A
propylene glycol	20000	20800	N/A	N/A	N/A
Spinosad	3738	2800	N/A	N/A	N/A
octamethylcyclotetrasiloxane	1540	1770	N/A	36	N/A
1,2-Benzisothiazol-3(2H)-one, sodium salt	500	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Cyromazine	NOEC Algae 31.3 mg/l [96 hours]
	LC50 Daphnia 5 mg/l [48 hours]
	NOEC Daphnia 0.31 mg/l [21 days]
	LC50 Fish 1888 mg/l [96 hours]
	NOEC Fish 73 mg/l [32 days]
propylene glycol	Acute - LC50 - Fresh water Crustaceans - Water flea - <i>Ceriodaphnia dubia</i> <u>Age:</u> <24 hours 1020 mg/l [48 hours] <u>Effect:</u> Mortality
	Acute - LC50 - Fresh water Fish - Fathead minnow - <i>Pimephales promelas</i> <u>Age:</u> ≤7 days 710 mg/l [96 hours] <u>Effect:</u> Mortality
	EC50 Aquatic plants 19000 mg/l [72 hours]
Spinosad	Chronic - NOEC Algae - Algae - <i>Lemna minor</i> 1.4 mg/l
	Acute - EC50 Daphnia - Daphnia 7.37 mg/l [48 hours]
	Chronic - NOEC Daphnia 0.0012 mg/l - (flow thorough) [21 days]
	Acute - LC50 Fish - <i>Cyprinus carpio</i> 4.5 mg/l - (flow through) [96 hours]
	Chronic - NOEC Fish 0.5 mg/l - Early life-stage (flow thorough)
octamethylcyclotetrasiloxane	Chronic - NOEC - Fresh water Fish - Rainbow trout, donaldson trout - <i>Oncorhynchus mykiss</i> - Egg <u>Age:</u> 2 hours 4.4 µg/l [90 days] <u>Effect:</u> Multiple
	Acute - LC50 - Fresh water US EPA, OECD Fish - Carp - <i>Leuciscus idus</i> ssp. <i>melanotus</i> <u>Size:</u> 5.9 cm; <u>Weight:</u> 1.9 g 0.204 to 3.483 mg/l [96 hours] <u>Effect:</u> Mortality
	Chronic - NOEC - Fresh water Daphnia - Water flea - <i>Daphnia magna</i> <u>Age:</u> <24 hours

Section 12. Ecological information

7.9 µg/l [21 days]
Effect: Mortality
Chronic - NOEC
STD METH
Algae - Green algae - *Selenastrum capricornutum*
1 to 29 µg/l [96 hours]
Effect: Population

Conclusion/Summary[Product] : Not available.

Persistence and degradability

Product/ingredient name	Result
propylene glycol	OECD [Ready Biodegradability - Manometric Respirometry Test] 38% [28 days] - Not readily

Conclusion/Summary[Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Cyromazine	-	-	Not readily
propylene glycol	-	-	Not readily
Spinosad	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogP_{ow}	BCF	Potential
Cyromazine	-0.069	<1	Low
propylene glycol	-1.07	-	Low
Spinosad	4	-	High
octamethylcyclotetrasiloxane	6.488	13400 [EPA OTS 797.1520]	High

Mobility in soil

Soil/water partition coefficient : Not available.

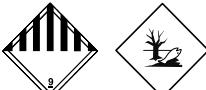
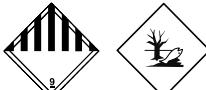
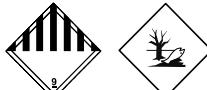
Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	ADG	ADR/RID	IMDG	IATA
UN number	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyromazine, Spinosad)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyromazine, Spinosad)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyromazine, Spinosad)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cyromazine, Spinosad)
Transport hazard class(es)	9 	9 	9 	9 
Packing group	III	III	III	III
Environmental hazards	Yes.	Yes.	Yes.	Yes.

Additional information

ADG

- : The product is not regulated as a dangerous good when transported by road or rail in either an IBC, or in other container types if ≤ 500 kg. This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

ADR/RID

- : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Tunnel code (-)

IMDG

- : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA

- : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

National regulations

Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

APVMA Approval Number : 96002

Inventory list

Australia : Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision	:	8/13/2025
Date of previous issue	:	No previous validation
Version	:	0.01
Key to abbreviations	:	ADG = Australian Dangerous Goods ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group SUSMP = Standard Uniform Schedule of Medicine and Poisons UN = United Nations

Procedure used to derive the classification

Classification	Justification
SKIN SENSITISATION - Category 1	Calculation method
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 2	Calculation method
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	Calculation method

References : Not available.

 Indicates information that has changed from previously issued version.

Notice to reader

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