



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	NEPOREX 2 SG
Registration number	-
Synonyms	A-6352 B * Larvex * Neporex WSG 2 * Neporex 2 WDG
Item Code	MN5005

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

Identified uses	Insecticide
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

National Supplier

Company name	Elanco Europe Ltd.
Address	Lilly House, Priestley Road Basingstoke RG24 9NL United Kingdom

Telephone +44 1256 353131

E-mail elanco_sds@elanco.com

1.4. Emergency telephone number	CHEMTREC International +1-703-527-3887 NHS Poisons Emergency Number 111
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
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2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Cyromazine
Hazard pictograms	None.
Signal word	None.
Hazard statements	
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102	Keep out of reach of children.
P103	Read label before use.
P273	Avoid release to the environment.

Response

P101	If medical advice is needed, have product container or label at hand.
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Storage

Not available.

Disposal

P501	Dispose of contents/container to an approved incineration plant
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Supplemental label information None.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Cyromazine	2	66215-27-8 266-257-8	-	-	
Classification:	Aquatic Chronic 1;H410(M=1)				

Composition comments Remaining components of this product are non-hazardous and/or are present at concentrations below reportable levels.
The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed None known.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards This product is not flammable.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures Not available.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away.
For emergency responders Keep unnecessary personnel away.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Stop the flow of material, if this is without risk. Collect spill using a vacuum cleaner with a HEPA filter. If vacuum is not available, lightly mist/wet material and remove by mopping or wet wiping. Following product recovery, flush area with water.

6.4. Reference to other sections Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure.

7.2. Conditions for safe storage, including any incompatibilities Keep at temperature not exceeding 35 °C. Store in original tightly closed container. Protect from freezing and direct sunlight.

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Elanco OEL

Components

Type

Value

CYROMAZINE (CAS
66215-27-8)

TWA (8hrs)

0.14 mg/m³

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Not available.

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs)

Not available.

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information

Not available.

Eye/face protection

Safety glasses with side-shields conforming to EN 166.

Skin protection

- Hand protection

Protective gloves complying with EN 374.

- Other

Wear suitable protective clothing. (EN 14605 for splashes, EN ISO 13982 for dust).

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Select appropriate respirator for physical characteristics of material. Select respirator with appropriate protection factor.

Thermal hazards

Not available.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Granular.

Physical state

Solid.

Form

Solid.

Colour

White to beige.

Odour

Slight Urea.

Odour threshold

Not available.

pH

Not available.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

Not available.

Flash point

Not available.

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not available.

Flammability limit - upper (%)

Not available.

Vapour pressure

Not available.

Vapour density

Not available.

Relative density

Not available.

Solubility(ies)	
Solubility (water)	Soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	No oxidizing properties.

9.2. Other information

Bulk density	0.5 - 0.9 g/ml (Pour) 0.6 - 0.95 g/ml (Tap)
pH in aqueous solution	5 - 10 (1% in CIPAC C water) (20 C)

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Not available.
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11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
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Product	Species	Test Results
NEPOREX 2 SG		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg
Inhalation		
LC50	Rat	> 2 mg/l, 4 hours
Oral		
LD50	Rat	> 5000 mg/kg
Components	Species	Test Results
Cyromazine (CAS 66215-27-8)		
Acute		
Dermal		
LD50	Rat	> 3100 mg/kg
Inhalation		
LC50	Rat	> 3.6 mg/l, 4 hr (No mortality.)
Oral		
LD50	Rat	3920 mg/kg 3387 mg/kg
Skin corrosion/irritation	Rabbit: No irritation. Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Rabbit: Mild eye irritation. Based on available data, the classification criteria are not met.	
Respiratory sensitisation	Due to lack of data the classification is not possible.	
Skin sensitisation	Guinea pig: Not a skin sensitiser. Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Result in genetic toxicity assays (in vitro and in vivo): Negative (Cyromazine) Based on available data, the classification criteria are not met.	

Carcinogenicity	Animal testing did not show any carcinogenic effects. (Cyromazine) Based on available data, the classification criteria are not met.
Reproductive toxicity	No effects identified in animal studies. (Cyromazine) Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.
Aspiration hazard	No aspiration toxicity classification
Mixture versus substance information	No information available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects.

Components		Species	Test Results	
Cyromazine (CAS 66215-27-8)	LD50	Mallard Duck (<i>Anas platyrhynchos</i>)	2510 mg/kg	
		Quail (Japanese Quail)	> 6000 mg/kg, 7 days	
	NOEC	Chironomus riparius	0.016 mg/l, 26 days (Static water/sediment system (water-spiked))	
	Other	ErC50	Pseudokirchnerella subcapitata	129 mg/l, 96 hours
		LD50	Bobwhite quail (<i>Colinus virginianus</i>)	1785 mg/kg
NOEC		Pseudokirchnerella subcapitata	31.3 mg/l, 96 hours	
Aquatic	Crustacea	Daphnia magna	> 97.8 mg/l, 48 hours	
			5 mg/l, 48 hours	
Fish	NOEC	Daphnia magna	0.31 mg/l, 21 days	
	LC50	Bluegill (<i>Lepomis macrochirus</i>)	> 89.7 ppm, 96 hours	
		Channel catfish (<i>Ictalurus punctatus</i>)	> 91.6 mg/l, 96 hours	
		Rainbow trout	1888 mg/l, 96 hours	
	NOEC	Fathead minnow (<i>Pimephales promelas</i>)	73 mg/l, 32 days	
Terrestrial	Soil	LC50	Earthworm (<i>Eisenia foetida</i>)	> 1000 mg/kg, 14 days

12.2. Persistence and degradability No data is available on the degradability of this product.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Cyromazine	-0.039, at 25 °C pH: 9 -0.069, at 25 °C pH: 7 -0.36, at 25 °C pH: 5.4 0.96
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Bioconcentration factor (BCF)

Cyromazine	< 1 Species: Fish
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12.4. Mobility in soil No data available.

Adsorption

Soil/Sediment Sorption - Log Koc

Cyromazine	1.9 - 3.25
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12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

Disposal instructions Dispose of contents/container to an approved incineration plant.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

EN: European norm.

EC50: Effective Concentration 50%.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code

ISO: International Standards Organization.

LD50: Lethal Dose 50%.

LC50: Lethal Concentration 50%.

NOEC: No observed effect concentration.
EC50: Effective Concentration 50%.
PBT: Persistent, bioaccumulative, toxic.
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
TWA: Time Weighted Average Value.
vPvB: very Persistent, very Bioaccumulative.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H303 May be harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.

Lilly Lab Code

Health: 1
Fire: 1
Reactivity: 0

Revision information

SECTION 2: Hazards identification: Response
Toxicological Information: Toxicological Property Data
SECTION 16: Other information: List of abbreviations

Disclaimer

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

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