



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** NEPOREX® 2 SG

**Other means of identification**

**Item Code** MN5005

**Synonyms** A-6352 B \* Larvex \* Neporex WSG 2 \* Neporex 2 WDG

**Recommended use** Insecticide

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company Name** Elanco Animal Health  
2500 Innovation Way  
Greenfield, IN 46140  
US

**Phone:** 1-877-Elanco1 (1-877-352-6261)

**Email:** lilly\_msds@lilly.com

**Emergency Telephone Numbers:** Elanco Product Technical Support / Human or Animal Exposure Reporting:  
1-888-545-5973

**Transportation Emergency Telephone:** CHEMTREC: 1-800-424-9300  
(Outside U.S. 1-703-527-3887)

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Combustible dust

**Label elements**

**Hazard symbol** None.

**Signal word** Warning

**Hazard statement** May form combustible dust concentrations in air.

**Precautionary statement**

**Prevention**

P102 Keep out of reach of children.

P103 Read label before use.

**Response**

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

**Storage** Not available.

**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Cyromazine		66215-27-8	2

**Composition comments** Remaining components of this product are non-hazardous and/or are present at concentrations below reportable levels.

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	This product is not flammable.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep at temperature not exceeding 35 °C. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Protect from freezing and direct sunlight.

## 8. Exposure controls/personal protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Elanco OEL: 0.14 mg/m <sup>3</sup> 8 hour TWA Cyromazine
<b>Appropriate engineering controls</b>	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.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Safety glasses with side shields recommended.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Select appropriate respirator for physical characteristics of material. Select respirator with appropriate protection factor.
<b>Thermal hazards</b>	Not available.
<b>General hygiene considerations</b>	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.

## 9. Physical and chemical properties

<b>Appearance</b>	Granular.
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<b>Physical state</b>	Solid.
<b>Form</b>	Solid.
<b>Color</b>	White to beige.
<b>Odor</b>	Slight Urea.
<b>Odor threshold</b>	Not available.
<b>pH</b>	7.5 - 9.5 (1% aqueous solution)
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	0.6 - 0.8 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	No oxidizing properties.

## 10. Stability and reactivity

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

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product	Species	Test Results
NEPOREX® 2 SG		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rat	> 5000 mg/kg

Product	Species	Test Results
<b>Inhalation</b>		
LC50	Rat	> 2 mg/l, 4 hours
<b>Oral</b>		
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** Based on available data, the classification criteria are not met.

**Irritation Corrosion - Skin**

NEPOREX® 2 SG

Result: No skin irritation.  
Species: Rabbit

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Eye**

NEPOREX® 2 SG

Result: Mild eye irritation.  
Species: Rabbit

**Respiratory or skin sensitization**

**Respiratory sensitization**

Based on available data, the classification criteria are not met.

**Skin sensitization**

Not available.

**Skin sensitization**

NEPOREX® 2 SG

Result: Not a skin sensitizer.  
Species: Guinea pig

**Germ cell mutagenicity** 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.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** Not available.

**Specific target organ toxicity - repeated exposure** Not available.

**Aspiration hazard** Not applicable.

**12. Ecological information**

**Ecotoxicity** 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	Chironomous riparius	0.016 mg/l, 26 days (Static water/sediment system (water-spiked))

Components		Species	Test Results
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
<b>Aquatic</b>			
Crustacea	LC50	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
	NOEC	Rainbow Trout	1888 mg/l, 96 hours
		Fathead minnow ( <i>Pimephales promelas</i> )	73 mg/l, 32 days
<b>Terrestrial</b>			
Other	LC50	Earthworm ( <i>Eisenia foetida</i> )	> 1000 mg/kg, 14 days

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

#### 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

##### Bioconcentration factor (BCF)

Cyromazine  
< 1  
Species: Fish

**Mobility in soil** No data available.

#### Adsorption

##### Soil/sediment sorption - log Koc

Cyromazine 1.9 - 3.25

**Other adverse effects** Not available.

### 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Waste from residues / unused products** Not available.

**Contaminated packaging** Not available.

### 14. Transport information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

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

### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
One or more components are not listed on TSCA.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

