



## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **NIMROD EW FUNGICIDE**  
Chemical name of active: C13H24N4O3S (Bupirimate)  
Product Use: Fungicide  
Restriction of Use: Refer to Section 15

New Zealand Supplier: ADAMA New Zealand Ltd  
Address: Level 1/93 Bolt Road  
Tahunanui, 7011, Nelson  
Telephone: +64 3 543 8275  
Email: nzorders@adama.com

**Emergency Telephone: 0800 764 766 (National Poison Centre)**  
**0800 734 607 (24hr Emergency Response)**

Date of SDS Preparation: 29 January 2024

### Section 2. Hazards Identification

**This substance is hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020**

**HSNO Approval No:** HSR101577

#### Pictograms



Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement
Flammable liquids Category 4	H227	Combustible liquid
Skin sensitisation Category 1B	H317	May cause an allergic skin reaction.
Specific target organ toxicity – repeated exposure Category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment chronic Category 2	H411	Toxic to aquatic organisms with long-lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label carefully before use and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe fumes, mist, vapours or spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid unintended release into the environment.
P280	Wear personal protective equipment as specified in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P302 + P313 + P333 + P352	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
P308 + P314	IF exposed or concerned: Get medical advice/attention if you feel unwell.
P362 + P364	Take off contaminated clothing and wash before reuse.
P370	In case of fire: use dry chemical, carbon dioxide water spray, alcohol resistant foam.
P391	Collect spillage.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Wherever possible completely use material according to label instructions. Dispose of unwanted product and wastes from spillages as hazardous substances in accordance with local and national regulations using a licensed waste disposal company. Triple rinse containers and add rinsate to spray tank before puncturing and offering for recycling or landfill. Do not allow product to enter waterways. Do not burn product or container.

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Bupirimate	25%	41483-43-6
Other ingredients not contributing to the overall classification of the substance or non hazardous	To balance	NA

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice/attention.
If on Skin	Remove contaminated clothing. Wash away remainder with water and Soap. Followed by a warm water rinse. Consult a doctor in the event of any complaints.
If Swallowed	If swallowed, do NOT induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention. For advise, contact the National Poisons Centre on 0800 POISON (0800 764766).
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

### Most important symptoms and effects, both acute and delayed

#### Symptoms:

**Ingestion:** Not applicable.

**Skin:** May cause an allergic skin reaction.

**Inhalation:** Not applicable.

**Eyes:** Not applicable.

**Chronic:** Presumed to cause organ damage (alimentary system-liver) from repeated oral exposure at high doses.

## Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Combustible.
<b>Hazardous thermal decomposition products</b>	Thermal decomposition generates: carbon dioxide, carbon monoxide, nitrogen oxide, sulfur oxide, sulfides.
<b>Suitable Extinguishing media</b>	Dry chemical, carbon dioxide water spray, alcohol resistant foam.
<b>Precautions for firefighters and special protective clothing</b>	Wear proper protective equipment. Self-contained breathing apparatus. Exercise caution when fighting any chemical fire. Fight fires from protected location. Dike fire control water for later disposal. Keep container cool by spraying with water.
<b>HAZCHEM CODE</b>	<b>3Z</b>

## Section 6. Accidental Release Measures

Wear full protective clothing as detailed in Section 8. Evacuate area from unnecessary personnel. Remove sources of ignition.

### Environmental precautions

Dispose of this material and its container at hazardous or special waste collection point, in accordance with national and regional regulations. If the product has contaminated surface water, inform the appropriate authorities. Prevent entry to sewers and public waters.

### Methods and material for containment and cleaning up

In the event of minor spillage. Absorb remainder in sand or other inert material. Use appropriate container to avoid environmental contamination. In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal. Dispose of in an authorised waste collecting point.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read label before use.
- Do not breathe fumes, mist, vapours or spray.
- Avoid contact with skin and eyes.
- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and leaving work.
- Avoid unintended release into the environment.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep away from children.
- Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.
- As a substance with Aquatic Ecotoxicity Classifications, storage of Nimrod EW Fungicide must be carried out in such a manner as to prevent contamination of waterways. Store in accordance with NZS 8409 Management of Agrichemicals.

**Section 8****Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

**Engineering Controls**

Either local exhaust or general room ventilation is usually required.

**Personal Protection Equipment**

<b>Eyes</b>	Safety goggles or Chemical goggles.
<b>Hands and Skin</b>	Chemical resistant gloves. Wear suitable protective clothing. Chemical resistant boots.
<b>Respiratory</b>	Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
<b>General</b>	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wash clothing before re-use.

**Section 9****Physical and Chemical Properties**

<b>Appearance</b>	Whitish Liquid
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	50-51°C (Pure)
<b>Flash Point</b>	> 79°C
<b>Flammability</b>	Combustible
<b>Upper and Lower Exposure Limits</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Density</b>	1.05 g/mL
<b>Bulk Density</b>	Not applicable
<b>Relative Density</b>	Not applicable
<b>Solubilities in water</b>	Emulsifiable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Molecular Weight</b>	316.4 (Bupirimate)

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Direct sunlight, heat, and temperatures exceeding 35°C.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	Thermal decomposition generates: carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxide, sulfides.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	May cause an allergic skin reaction.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Presumed to cause organ damage (alimentary system-liver) from repeated oral exposure at high doses

### Toxicity for Bupirimate 25EC

<b>Acute toxicity - Oral:</b>	LD <sub>50</sub> (rat) >2,000 mg/kg
<b>Acute toxicity - Dermal:</b>	LD <sub>50</sub> (rabbit) >2,000 mg/kg
<b>Acute toxicity - Inhalation:</b>	LC <sub>50</sub> (rat) >3.18 mg/L/4h
<b>Skin irritation:</b>	Irritant (rabbit).
<b>Eye irritation:</b>	Not irritating (rabbit).
<b>Sensitization:</b>	Sensitizer

## Section 12. Ecotoxicological Information

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

### Ecological effects information:

No ecological information is known on the product.

### For Bupirimate 25 EC

LD50 Birds [mg/kg]:	>2,000 (quail)
Bees LD50 [µg/Bee]:	Oral > 200
48 H-EC50 -	Daphnia magna [mg/l]:11.9
72 H-IC50	Algae [mg/l]: 4.9
96 H-LC50 -	fish [mg/l]: 6.22 (rainbow trout)

Do not allow to enter waterways.

## Section 13. Disposal Considerations

**Disposal Method:** Dispose of this product only by using according to the label or at an approved landfill. Container Disposal: Triple rinse container and add rinsate to spray tank. Empty containers and product should not be burnt. Dispose of container in a suitable landfill or take to an Agrecovery collection site. Do not use container for any other purpose.



**Precautions:** Do not allow product to enter waterways.

**Disposal methods to avoid:** Do not burn product or container.

## Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ; NZS 5433**



### Road and Rail Transport

UN No:	3082
Class-primary	9
Packing Group	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bupirimate)

### Air Transport

#### Road and Rail Transport

UN No:	3082
Class-primary	9
Packing Group	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bupirimate)

### Marine Transport

#### Road and Rail Transport

UN No:	3082
Class-primary	9
Packing Group	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bupirimate)
Marine Pollutant:	Yes

### **Special Provisions:**

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

**This substance is hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020**

**HSNO Approval Code:** HSR101577

**HSNO Classification:** Flammable liquids Category 4, Skin sensitisation Category 1B, Specific target organ toxicity – repeated exposure Category 2, Hazardous to the aquatic environment chronic Category 2.

<b>HSW (HS) Regulations 2017 and EPA Notices</b>		<b>Trigger Quantity</b>
Certified Handlers		Not required
Location Certificate		Not required
Tracking Trigger Quantities		Not required
Signage Trigger Quantities		1000L (9.1B)
Emergency Response Plan		1000L (9.1B)
Secondary Containment		1000L (9.1B)
<b>HSNO Additional Controls (Restrictions of use)</b>		
77A		<p>The substance must not be applied when wind speeds are less than 3 km/hr or more than 20 km/hr as measured at the application site.</p> <p>The substance must be applied with minimum, medium droplets for aerial application, as classified by the American Society of Agricultural &amp; Biological Engineers (ASABE) droplet size classification scheme (American National Standard ANSI/ASABE S572.1, March 2009) and referenced in New Zealand Standard NZS8409:2021: Management of agrichemicals</p>
<b>Hazardous Property Controls Notice 2017</b>		
HPC Notice Part 1		Hazardous Property Controls preliminary provisions
HPC Notice Part 3		Hazardous substances in a place other than a workplace
HPC Notice Part 4 Subpart A		Substances that are hazardous to the environment: Site and storage controls
HPC Notice Part 4 Subpart B		Use of substances that are hazardous to the environment
HPC Notice Part 4 Clause 47		Equipment for environmentally hazardous substances must be appropriate
HPC Notice Part 4 Clause 50		The maximum application rate is 1 L Nimrod EW 250/ha (equating to 0.25 kg bupirimate/ha), with a maximum of three applications per year and a minimum interval period of 10 days between applications.
HPC Notice Part 4 Clause 51		When applied using aerial equipment, the substance must not be applied within, at minimum, 100 m upwind of any waterbody.
HPC Notice Part 4 Clause 52		Agrichemicals that are hazardous to the aquatic environment must not be applied to water
HPC Notice Part 4 Subpart C		Qualifications required for the application of substances that are hazardous to the environment

<b>ACVM Act and Regulations</b>	
Registered pursuant to the ACVM Act 1997, See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions	No. P7420

## Section 16 Other Information

### Glossary

ACVM	Agricultural Compounds and Veterinary Medicines Act 1997.
EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority.
HSNO	Hazardous Substances and New Organisms Act 1996.
HSW	Health and Safety at Work Act 2015.
HSW (HS) Regulations	Health and Safety at Work (Hazardous Substances) Regulations 2017.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level.
WES	Workplace Exposure Limit.

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer:

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