BANG SPRAY-ON SHEEP BLOWFLY TREATMENT

Abbey Animal Health Pty Ltd
SAFETY DATA SHEET

Section 1- Identification of Product and Supplier

Supplier Company Details: Abbey Animal Health Pty Ltd
Address: 27/1 Maitland Place, Norwest, NSW 2153 Australia
Telephone Number: 02 8088 0720
Facsimile Number: 02 8088 0721
Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour Service).

PRODUCT NAME
BANG SPRAY-ON SHEEP BLOWFLY TREATMENT

PRODUCT USE
Protects long wool sheep against fly strike for eleven (11) weeks when used as directed.

Section 2- Hazards Identification

Statement of Hazardous Nature: Product is not classified as hazardous according to the criteria of SWA and not Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

ADG Classification: None allocated. Not classified as a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

GHS signal word: NONE. Not hazardous.

PREVENTION
P102: Keep out of reach of children.
P234: Keep only in original container.
P261: Avoid breathing fumes, mists, vapours or spray.
P285: In case of inadequate ventilation wear respiratory protection.

RESPONSE
P309: If exposed or if you feel unwell, seek medical attention.
P332: If skin irritation occurs: wash thoroughly with soap and water.
P337: If eye irritation persists: seek medical attention.
P362: Take off contaminated clothing and wash before reuse.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE
P402+P404: Store in a dry place. Store in a closed container.
P410+P403: Protect from sunlight. Store in a well-ventilated place.

DISPOSAL
P501: Dispose of small quantities and empty containers as indicated on the registered product label.

Section 3- Composition / Information on Ingredients

Ingredients	CAS No	Conc,%
Cryomazine	66215-27-8	6%
Other non-hazardous ingredients	secret	to 100

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non- hazardous ingredients are also possible.

Section 4- First Aid Measures

Call Poisons Information Centre Phone Australia 131 126, if you feel that you may have been poisoned or irritated by this product.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
Skin Contact: Wash gently and thoroughly with water for 5 minutes or until chemical is removed.
Eye Contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5- Fire Fighting Measures

Fire and Explosion Hazards: Product contains approx. 90% of water. Will not burn until water component is driven off. Fire decomposition products of dry remain may produce toxic fume if inhaled.

The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.
Fire Fighting: When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained breathing apparatus.
Flash point: Product contains approx. 90% of water. Will not burn until water component is driven off.

Section 6 - Accidental Release Measures

Accidental release: Product contains approx. 90% of water, few percent of surfactants and inert materials and 60 g/L Cyromazine. The accidental release is not a cause for concern. Slippery when spilt. Avoid accidents – clean up immediately. Wear protective clothing to avoid skin and eye contamination. Contain using sand and earth. Although no special protective clothing is necessary. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum. Product contains approx. 90% of water, few percent of surfactants and inert materials and 60 g/L Cyromazine.

Storage: Store below 30ºC (Room Temperature). Store in original container tightly closed in dry, cool place. DO NOT store in direct sunlight. DO NOT re-use the container. Keep out of reach of children.

Section 8 - Exposure Controls / Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m^3)	STEL (mg/m^3)

Exposure limits have not been established by SWA for any of the significant ingredients in this

product.

The **ADI** for Cyromazine is set at 0.02mg/kg/day. The corresponding NOEL is set at 1.8mg/kg/day. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, SEPT 2020.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: You should avoid contact even with mild skin irritants. Therefore, you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.
Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties

Physical Description & colour	Clear red liquid
Odour:	Slight vinegar odour
Boiling Point:	Around 100°C
Freezing/Melting Point:	Below minus 10°C. Liquid at normal temp.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	As for water.
Water Solubility:	Completely soluble in water.
pH:	No data.
Evaporation Rate:	As for water
Autoignition temp:	Does not burn

Section 10 - Stability and Reactivity

Reactivity: It is unlikely to react or decompose under normal storage conditions.

Incompatibilities: strong acids, strong bases, strong oxidising agents.

Fire Decomposition: This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. During fire may form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Ingestion: Accidental ingestion of the material may be harmful.

Cyromazine: Oral LD50 3387 mg/kg (rat), 2029 mg/kg (mouse).

Skin: May cause slight skin irritation
Eye: May cause transient discomfort.
Chronic Effects: There is some evidence from animal testing that prolonged or repeated exposure to cyromazine may result in damage to the blood and hematopoietic system. (Ref: ERMA New Zealand CCID).
Reproductive Toxicity: Not known to affect reproduction.
Mutagenicity: Not known to be mutagenic.
Carcinogenicity: Limited evidence of a carcinogenic effect.
Target Organs: There is no data to hand indicating any particular target organs.

Section 12 - Ecological Information

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Birds: LD_{50} bobwhite quail: 1785mg/kg

LD_{50} Japanese quail: 2338mg/kg

LD_{50} Peking duck: >1000mg/kg

LD_{50} mallard: >2510mg/kg

Fish:

LC_{50} bluegill sunfish (*Lepomis macrochirus*): 1785mg/L

LC_{50} carp (*Cyprinus carpio*): >100mg/L
LC_{50} catfish: >100mg/L
LC_{50} rainbow trout (Oncorhynchus mykiss): 100mg/L

Daphnia: EC_{50} 9.1mg/L

Environmental fate:
In rats, Cyromazine is efficiently excreted, mainly as the parent compound. It is rapidly metabolised in plants – the principal metabolite is melamine.

Soil/environment: Cyromazine and its main metabolite, melamine, are moderately mobile. Numerous laboratory and field studies demonstrate that Cyromazine is efficiently degraded by biological mechanisms.

Section 13 - Disposal Considerations

Disposal: Triple or preferably pressure rinse containers and dispose of rinsate in a disposal pit as described below. DO NOT dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

Section 14 - Transport Information

No specific transport considerations apply since *BANG SPRAY-ON SHEEP BLOWFLY TREATMENT* is NOT classified as a dangerous good according to Australian Dangerous Goods (ADG) Code.

Section 15 - Regulatory Information

Poisons Schedule: *0*

APVMA Approval Number: *80022*

Approved pack size: *1L, 5L, 10L and 20L*

For more information please refer to the APVMA approved product label

Section 16 – Other Information

Abbey Animal Health Pty Ltd
Telephone Number: 02 8088 0720
Facsimile Number: 02 8088 0721

Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour service).

This Safety Data Sheet (SDS) summarizes our best knowledge of the health and safety hazard information of the product according to the GHS requirements and how to safely handle and use the product in the workplace.

Each user must review this SDS in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

***Note: This SDS is valid for 5 years from the effective date.**