

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	TALON[®] RODENTICIDE Wax Blocks
Other Names:	Product code: A12720B
Recommended Use:	Rodenticide
Company Details:	Syngenta Crop Protection Pty Limited ABN 33 002 933 717
Address:	Level 1, 2-4 Lyonpark Road MACQUARIE PARK NSW 2113 AUSTRALIA
Telephone Number:	(02) 8876 8444
Emergency Telephone Number:	24 hours - 1800 033 111

Section 2: HAZARDS IDENTIFICATION

Hazard Classification:	Not classified as hazardous according to the criteria of NOHSC
Risk Phrases:	None allocated.
Safety Phrases:	--

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE

Chemical Identity of Pure Substance:	Brodifacoum
Synonym:	PP581
CAS Number:	56073-10-0

MIXTURE

Chemical Identity of Ingredients	CAS No	Proportion (% w/w)
Brodifacoum	56073-10-0	0.005
Other ingredients determined not to be hazardous	--	To 100

Section 4: FIRST AID MEASURES

Description of Necessary First Aid Measures:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. Vitamin K1 (Phytomenadione) is antidotal.</p> <p>Swallowed: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.</p> <p>Eye: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.</p> <p>Skin: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. Wash contaminated clothing before re-use.</p> <p>Inhaled: Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.</p>
Poisoning Symptoms:	<p>Symptoms of poisoning are typical of anticoagulants. In severe cases there may be bruising, haematomas of the joints, blood in the faeces and urine. An antidote, Vitamin K1 (phytomenadione BP), should only be administered under the direction of a doctor who has access to a hospital laboratory. Doctors should refer to the leaflet 'The treatment of Anticoagulant Rodenticide Poisoning. Advice to Physicians', available in an emergency by contacting 1800 033 111.</p>
Medical Advice:	<p>NOTE TO PHYSICIANS AND VETERINARIANS Brodifacoum, the active constituent of TALON Rodenticide Wax Blocks, is a long lasting anticoagulant chemical, which if ingested by humans, domestic animals or pets, can reduce the clotting power of the blood and haemorrhage may result. Vitamin K1 (Phytomenadione) should be administered urgently by medical, appropriate para-medical personnel or veterinarians. If administered intravenously the injection must be given slowly.</p>

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	<p><i>Extinguishing media - small fires</i> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide extinguisher. DO NOT use direct jet of water.</p> <p><i>Extinguishing media - large fires</i> Use alcohol-resistant foam or water spray. DO NOT use direct jet of water.</p>
Hazards from Combustion Products:	<p>As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion which may be toxic and irritant.</p>
Special Protective Precautions and Equipment for Fire Fighters:	<p>When fighting a major fire wear self-contained breathing apparatus and protective clothing.</p>

Section 6: ACCIDENTIAL RELEASE MEASURES

Emergency Procedures:	In case of spillage it is important to take all steps necessary to <ul style="list-style-type: none">• Avoid eye and skin contact.• Avoid contamination of waterways.
Methods and Materials for Containment and Clean Up:	<ol style="list-style-type: none">1) Keep all bystanders away.2) Wear full-length clothing and PVC gloves.3) Reposition any leaking containers so as to minimise further leakage.4) For a product spill: Sweep powder concentrate into a pile.5) For a prepared spray spill: Dam and absorb spill with an absorbent material (e.g. sand or soil).6) Shovel the absorbed material or powder concentrate into drums.7) Decontaminate the spill area with detergent and water and rinse with water.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Poisonous if swallowed. Do not touch bait. If on skin and after each baiting, wash thoroughly with soap and water. Wash hands after use.
Conditions for Safe Storage:	Containers which have held bait should not be used for any other purpose. Store in the closed original container in a dry place out of the reach of children. Do not store in direct sunlight.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

National Exposure Standards:	No official exposure standards have been set for any ingredients of this product.
Syngenta Exposure Standards:	Brodifacoum 8 hr TWA 0.002 mg/m ³
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	No special controls needed.
Personal Protective Equipment:	Only use protective equipment bearing the mark of the Standards Association of Australia.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid blue wax block	Boiling Point/Range:	Not Applicable
Odour:	No odour	Melting Point:	Not available
pH:	Not applicable	Solubility in water	Not soluble
Vapour Pressure:	Not available	Specific Gravity or Density:	1.2 g/cm ³

Flash point:	> 61 °C	Explosive properties:	Not explosive
Upper and Lower Flammable (Explosive) Limits in Air:	Not highly flammable	Oxidising properties:	Not oxidising
Ignition Temperature:	Not available	Combustibility:	Combustible C2
		Corrosiveness:	Not corrosive

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under standard conditions.
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products	Combustion or thermal decomposition will evolve smoke and toxic and irritant vapours.
Hazardous Reactions:	None known.

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:									
Acute:	<table border="0"> <tr> <td>Swallowing:</td> <td>LOW TOXICITY LD₅₀ (rats) > 5,000 mg/kg (derived from components)</td> </tr> <tr> <td>Skin contact:</td> <td>LOW TOXICITY LD₅₀ (rats) > 5,000 mg/kg (derived from components) NOT IRRITANT (Rabbit) NOT A SKIN SENSITISER</td> </tr> <tr> <td>Eye contact:</td> <td>NOT IRRITANT (Rabbit)</td> </tr> <tr> <td>Inhalation:</td> <td>Inhalation is not a likely route of exposure.</td> </tr> </table>	Swallowing:	LOW TOXICITY LD ₅₀ (rats) > 5,000 mg/kg (derived from components)	Skin contact:	LOW TOXICITY LD ₅₀ (rats) > 5,000 mg/kg (derived from components) NOT IRRITANT (Rabbit) NOT A SKIN SENSITISER	Eye contact:	NOT IRRITANT (Rabbit)	Inhalation:	Inhalation is not a likely route of exposure.
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Eye contact:	NOT IRRITANT (Rabbit)								
Inhalation:	Inhalation is not a likely route of exposure.								
Chronic :	No long term risks to man are associated with this material when handled and used as directed on the label. Brodifacoum, the active ingredient of Talon, did not show carcinogenic, teratogenic or mutagenic effects effects in animal experiments.								

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	<p>Slightly toxic to fish LC₅₀ Rainbow trout, >100 mg/l , 96 h, Derived from study results with brodifacoum.</p> <p>Practically non toxic to aquatic invertebrates LC₅₀ / EC₅₀ (48 h) = >100 mg/l (<i>Daphnia magna</i> (water flea))</p> <p>Practically non-toxic to soil dwelling organisms LC₅₀ (14 d) = >1000 mg/kg soil (<i>Eisenia foetida</i>)</p> <p>Practically non-toxic to bees</p>
Persistence and Degradability:	Brodifacoum is practically insoluble in water. Slow degradation in soil.
Mobility	Brodifacoum has low mobility in soil.
Environmental Fate (Exposure):	Incorporated into organic molecules.
Bioaccumulative Potential:	Brodifacoum has low potential for bioaccumulation.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Dispose of empty containers and unused or untaken baits by burying in an approved dump.
Special Precautions for Landfill or Incineration:	Not applicable.

Section 14: TRANSPORT INFORMATION

LAND TRANSPORT ADG	Not a dangerous good		
UN Number:	None allocated	Packing Group:	None allocated
UN Proper Shipping Name:	None allocated	Special Precautions for User:	None allocated
Class:	None allocated	Hazchem Code:	None allocated
Subsidiary Risk:	None allocated	Marine Pollutant:	None allocated

SEA TRANSPORT IMDG	Not a dangerous good		
UN Number:	None allocated	Packing Group:	None allocated
UN Proper Shipping Name:	None allocated	Special Precautions for User:	None allocated
Class:	None allocated	Hazchem Code:	None allocated
Subsidiary Risk:	None allocated	Marine Pollutant:	None allocated

AIR TRANSPORT IATA-DGR		Not a dangerous good	
UN Number:	None allocated	Packing Group:	None allocated
UN Proper Shipping Name:	None allocated	Special Precautions for User:	None allocated
Class:	None allocated	Hazchem Code:	None allocated
Subsidiary Risk:	None allocated	Marine Pollutant:	None allocated

Section 15: REGULATORY INFORMATION

APVMA Product Number:	52675
Poisons Schedule (SUSDP):	6 - POISON

Section 16: OTHER INFORMATION

Date of preparation or last revision: June 2008
Source of Data: The information provided in this SDS is sourced from Syngenta internal studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.
Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions
CONTACT POINT: Regulatory Affairs Manager, Syngenta Crop Protection Pty Limited (02) 8876 8444 24 HOURS EMERGENCY CONTACT: 1800 033 111
This Material Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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