

MATERIAL SAFETY DATA SHEET

I. Identification of the substance/preparation and of the company/undertaking

Product name: Tomcat Pellet

Common Name: Brodifacoum

Chemical Name: 3-[3(4'-bromophenyl-4)1,2,3,4-tetrahydro-10]-4-hydroxy-1-coumarin

Supplier: NANJING PLATFORM AGROTECH CO., LTD

Address: OFFICE 1908, LONGTAI INT'L MANSION, NO. 198 ZHONGSHANDONG ROAD, NANJING, P.R. CHINA 210002

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Issued date: 2019/01/28

II. COMPOSITION / INFORMATION ON INGREDIENTS

Specification: Brodifacoum 0.005% Bait/Pellet

Molecular Weight: 523.0

Molecular Formula: C₃₁H₂₃O₃Br

Harmful ingredient	Concentration	CAS No.
Brodifacoum	0.005 %	56073-10-0
Other components (non-hazardous ingredients)	Up to 100 %	

III. HAZARDS IDENTIFICATION

Hazards: Toxic materials Class 9

Pathways: inhalation, ingestion, percutaneous absorption

Health Hazard: This product is highly toxic raticide and causes poisoning and clotting after inhalation, ingestion or percutaneous absorption.

Environmental danger: flammable and can form explosive mixtures when powder mixes with air.

IV. FIRST - AID MEASURES

Ingestion: take by mistake, drink plenty of warm water, induce vomiting, gastric lavage, catharsis. The effective antidote is vitamin K1.

Inhalation: Promptly remove from the scene to fresh air. Keep airway clear. If breathing is

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difficult, give oxygen. Breathing and cardiac arrest, immediate CPR. Send to hospital.

Skin contact: Put off polluted clothes immediately. flush with plenty of water, If discomfort and must go to hospital.

Eye contact: raise eyelid, flush with plenty of clean water or normal saline. If discomfort and go to hospital.

V. FIRE FIGHTING MEASURES

Hazard property: Burning happen to direct fire and high temperature. The powder can form explosive mixtures with air. When reaching a certain concentration, happen to explode contacting spark. Decompose and release poisonous gas at withstanding high heat.

Harmful combustion products: carbon monoxide and hydrogen bromide.

Extinguishing method: Use foggy water, foam, dry powder, CO₂, sand to extinguish fire

Attentions: firemen should take gas mask and wear exposure suit extinguish fire before the wind. Try to move the containers from fire scene to empty place. Spray water to keep fire scene cool till ending fire. Don't spray water to liquid melt avoiding more serious fire or boil over.

VI. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Gloves should be worn when handling the bait. Collect spillage without creating dust.

Environmental precautions: Do not allow bait to enter drains or water courses. Where there is contamination of streams, rivers or lakes contact the appropriate environment agency.

Methods and materials for containment and cleaning up

For Containment: Sweep up spilled material immediately. Place in properly labeled container for disposal or re-use.

For Cleaning Up: Wash contaminated surfaces with detergent. Dispose of all wastes in accordance with all local, regional and national regulations.

Reference to other sections: Refer to Sections 7, 8 & 13 for further details of personal precautions, personal protective equipment and disposal considerations.

VII. HANDLING AND STORAGE

Note to handling: handling under airproof and ventilated condition keep the container airproof, and avoid ingestion, inhalation, contact with skin, flush completely after

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handling .use ventilated equipment reduce dust accumulate.

Note to storage: keep it in airproof container and keep in cool, dry, ventilated places, take care by person specially assigned for the task. Not mix with foodstuff, seed, feed and other commodity.

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use dry chemical, foam or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

Storage precautions: store in a cool , well –ventilated special purpose warehouse. Execute “double receive and dispatch, double custody” rule. Far from the spark and heat source. Prevent direct sunlight. Packing should be sealed. Food, oxidants, and chemicals should be stored separately. Equip matched type and amount of fire fighting equipments.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

China MAC (mg/m³):none.

Engineering control: keep the whole production procedure airproof, enhance. Ventilation.

Provide safety shower and wash-eye equipment.

Respiratory protection (specify type): required pz filter

Eye protection: safety glass as needed for other activities.

Body protection: take exposure suit.

Hand protection take safety gloves .

Other protection: Never eat, drink or smoking working areas. Practice good personal

Hygiene after using this product. The working suit must be put separately, and the water after washing must enter the waste water dealing system.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and property : blue granule.

Color: blue

Boiling point(°C): not available

Odor: odorless

X. STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: Can decompose at high temperatures forming toxic gases.

XI. TOXICOLOGICAL INFORMATION

Acute oral LD₅₀>3160mg/kg(rat)

Acute dermal LD 50>2000mg/kg(rabbit).

Acute Inhalation LD 50:0.5mg/m³ (4h)

Carcinogenicity: none

Teratogenicity: none

Mutagenicity: none

XII. ECOLOGICAL INFORMATION

Ecotoxicity Effects: This product is extremely toxic to fish, birds and other wildlife. Dogs and predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply this product directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff also may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Persistence and degradability: Tomcat Rat and Mouse Bait is inherently biodegradable.

Bioaccumulative potential: Not determined for Tomcat Rat and Mouse Bait. Diphacinone water solubility is extremely low (< 0.1mg/l).

Mobility in Soil: Not determined for Tomcat Rat and Mouse Bait. Mobility of Diphacinone in soil is considered to be limited.

Other adverse effects: None.

XIII. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

Pesticide Disposal: Wastes resulting from the use of this product may be placed in trash or delivered to an approved waste disposal facility.

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Container Handling: Non-refillable container. Do not reuse or refill this container. [Plastic:] Offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or by incineration. In most states, burning is not allowed. [Paper:] Dispose of empty container by placing in trash, at an approved waste disposal facility or by incineration. In most states, burning is not allowed.

XIV. Transport information

Hazard goods NO: 61135

UN NO: 3027

Packing label: Extremely hazard

Packing type: (I), the packing, fit for delivery by sea Packing method: small dose packing plastic or Aluminum bottle

Transport Note:

Not put together with foodstuff, food, seed feed and other ever-day uses.

If you transplant with other things please put it carefully, in case of the breaking up of the packing.

Storage in cool dry, ventilation warehouse apart, from wet, insolation raining, keep in cool, and ventilated warehouse.

XV. Regulatory information

Hazardous Waste Classification

Not Applicable

XVI. OTHER INFORMATION

PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANT ABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO WAY SHALL THE COMPANY BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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