1. IDENTIFICATION

Trade Name: Quick Tabs 11.4mg, 57mg
Product identifier: Quick Tabs 11.4mg, 57mg
Synonym: TE8, TE9, TI0
Brand Names: DOGMD, PetArmor
NADA#: 141-175

Manufacturer: The Perrigo Company
515 Eastern Avenue
Allegan, MI 49010 USA
Tel: 269-673-8451
Email SDSRequest@Perrigo.com

Emergency phone numbers
First aid or Spill: 888-464-2986 (U.S. calls)
+1 760-476-3962 Code 333304 (International calls)
Pet emergency/Adverse event report: 1-800-781-4738

Recommended use: Treatment of flea infestation in dogs and cats
Restrictions on use: Use only as directed.

2. HAZARD(S) IDENTIFICATION

Classification:

<table>
<thead>
<tr>
<th>Physical</th>
<th>Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not hazardous</td>
<td>Not Hazardous</td>
</tr>
</tbody>
</table>

Label Elements

Not hazardous in accordance with the GHS and OSHA Hazcom 2012.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitenpyram</td>
<td>120738-89-8</td>
<td>10-15%</td>
</tr>
<tr>
<td>Non-Hazardous Ingredients</td>
<td>Mixture</td>
<td>Balance</td>
</tr>
</tbody>
</table>

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: If dust from broken tablets in inhaled, move to fresh air. If irritation occurs or symptoms develop, get medical attention.
Skin contact: No first aid normally required. If irritation develops after handling damaged tablets, get medical attention.

Eye contact: Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

Ingestion: Rinse mouth and seek medical attention if symptoms develop.

Most important symptoms/effects, acute and delayed: Dust may cause eye irritation. Inhalation of dust from broken tablets may cause upper respiratory tract irritation.

Indication of immediate medical attention and special treatment, if necessary: None required.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water spray, carbon dioxide, dry chemical or foam to extinguish a fire.

Specific hazards arising from the chemical: Tablets are not a fire hazard but may burn under fire conditions. Fine dust from crushed tablets may present a dust explosion hazard.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8. Avoid generating airborne dust during cleanup. If dust is present, eliminate all sources of ignition.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Collect using methods that avoid the generation of dust and damage to tablets (scoop up carefully) and place in appropriate container for disposal. Clean area thoroughly. If dust is present, do not use vacuum unless explosion-proof.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid the generation of dust. If tablets are damaged, avoid contact with eyes, skin and clothing and avoid breathing dust.

Conditions for safe storage, including any incompatibilities: Store as indicated on product packaging. Store between 2 and 25°C. Protect from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

| Nitenpyram | None Established |

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to keep exposures below occupational exposure limits.

Individual protection measures:
**Respiratory protection**: None needed under normal use conditions. If exposure levels are excessive and irritation is experienced, a NIOSH approved particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**Skin protection**: None normally required. Wear rubber or other impervious gloves for handling damaged tablets.

**Eye protection**: Chemical safety goggles recommended for handling damaged tablets.

**Other**: None known.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance (physical state, color, etc.):** White to yellow tablets

**Odor**: None

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Flammable limits: LEL</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable limits: UEL</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
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</tr>
<tr>
<td><strong>pH</strong></td>
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<tr>
<td><strong>Boiling Point</strong></td>
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</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
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</tr>
<tr>
<td><strong>VOC</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>UEL</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
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</tr>
<tr>
<td><strong>Auto-Ignition temperature</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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**10. STABILITY AND REACTIVITY**

**Reactivity**: Not reactive under normal conditions of use.

**Chemical stability**: Stable.

**Possibility of hazardous reactions**: None known.

**Conditions to avoid**: Protect from direct sunlight.

**Incompatible materials**: Avoid oxidizing agents.

**Hazardous decomposition products**: Thermal decomposition may yield carbon and nitrogen oxides and chlorine compounds.

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**11. TOXICOLOGICAL INFORMATION**

**Acute effects of exposure**:  
**Inhalation**: Inhalation of dust from damaged tablets may cause irritation of the mucous membranes and upper respiratory tract.

**Ingestion**: Swallowing may cause gastrointestinal effects.

**Skin contact**: No adverse effects expected.

**Eye contact**: Contact with damaged tablets may cause slight irritation with redness and tearing. Nitenpyram is a slight eye irritant in animal studies.

**Chronic Effects**: None known.

**Sensitization**: Components are not known to be sensitizers. Nitenpyram was not sensitizing in guinea pigs.

**Germ Cell Mutagenicity**: None of the components have been shown to cause germ cell mutagenicity.

Nitenpyram was weakly positive in the Ames test but negative in chromosome studies, DNA repair test and V79 cells.

**Reproductive Toxicity**: None of the components have been shown to cause reproductive toxicity. Nitenpyram did not cause reproductive effects in animal studies.

**Carcinogenicity**: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.
**Acute Toxicity Values:** Acute Toxicity Estimate (ATE) calculated oral: >5000 mg/kg
Nitenpyram: LD50 oral rat 1600 mg/kg, LD50 dermal rat >2000 mg/kg; LC50 inhalation rat >5.8 mg/L

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity values:**
Nitenpyram: LC50 rainbow trout >100 mg/L/96 hr; EC50 daphnia >100 mg/L/48 hr; ErC50 green algae >45 mg/L/24 hr.

**Persistence and degradability:** The product is moderately biodegradable.

**Bioaccumulative potential:** Nitenpyram log Kow -0.69. Bioaccumulation is not expected.

**Mobility in soil:** No data is available.

**Other adverse effects:** None known.

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

### 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Proper shipping name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>Environmental Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDG</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IATA</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known.

### 15. REGULATORY INFORMATION

**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA:** This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Not Hazardous

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:
None

**EPA TSCA Inventory:** This product is an animal drug and not subject to TSCA.

**CANADA:**

**Canadian CEPA:** This product is an animal drug and not subject to CEPA regulations.

### 16. OTHER INFORMATION

**NFPA Rating:** Health = 1  Flammability = 1  Instability = 0

**HMIS Rating:** Health = 1  Flammability = 1  Physical Hazard = 0

**SDS Revision History:** New SDS
**Date of preparation:** August 7, 2016

**Disclaimer:** This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer’s directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user’s intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).