SECTION I PRODUCT AND COMPANY IDENTIFICATION

Product Identifiers
Product Name: Nature’s Defense All Purpose Granular Animal Repellent
Product Code: ND----
Recommended Use: All-purpose animal repellent

Details of the Supplier of the Safety Data Sheet
Supplier Name: Bird-X, Inc.
Supplier Address
300 N. Oakley Blvd.
Chicago, IL 60612
Website: www.bird-x.com
E-mail: sales@bird-x.com

Emergency Telephone Numbers
Company Phone Number: (312) 226-2473 (During Business Hours, 8:00am - 4:00pm CST)
Emergency Telephone: INFOTRAC: 1-800-535-5053 (Outside U.S. 1-352-323-3500)

SECTION II HAZARDS IDENTIFICATION

Appearance: White to gray-white granules
Physical State: Solid
Odor: Ammonia/garlic, cinnamon odor

Classification:
This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>&gt;90%</td>
</tr>
</tbody>
</table>

** If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret**

SECTION IV FIRST AID MEASURES

First Aid Measures

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. For skin rashes, see medical attention.

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Ingestion
Not an expected route of exposure.

More Important Symptoms and Effects

Symptoms
May cause irritation to eyes, skin, and respiratory tract. Extended skin contact can result in contact dermatitis or allergic skin sensitivity. Allergic reactions to skin sensitivity can result in anaphylactic reaction. Inhalation of the dust may cause coughing and sneezing.
Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically

SECTION V FIRE-FIGHTING MEASURE

Suitable Extinguishing Media:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media:
Not determined

Specific Hazards Arising from the Chemical:
Will not support combustion

Hazardous Combustion Products:
Combustion products of sulfur and nitrogen

Protective Equipment and Precautions for Firefighters:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and fill protective gear.

SECTION VI ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:

Personal Precautions: Use protective equipment as required. Avoid creating dust.

Environmental Precautions: See section 12 for addition Ecological Information.

Methods and Materials for Containment and Cleaning Up:

Methods for Containment: Prevent further leakage or spillage if safe to do so

Methods for Clean-Up: Sweep up and shovel into suitable containers for disposal

SECTION VII HANDLING AND STORAGE

Precautions for Safe Handling:

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing. Use personal protective equipment as required. Avoid generation of dust. Do not breathe dust.

Conditions for Safe Storage, Including All Incompatibilities:

Storage Conditions: Keep container tightly closed and store in a cool, dry, and well ventilated place. Store away from incompatible materials.

Incompatible Materials: Oxidizing agents

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate 471-34-1</td>
<td>-</td>
<td></td>
<td>TWA: 10mg/m³ total dust TWA: 5mg/m³ respirable dust</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls: Apply technical measure to comply with the occupational exposure limits. Eyewash stations. Showers.
Individual protection Measures, Such as Personal Protective Equipment

Eye/Face Protection  Use goggles or safety glasses when spreading the material to prevent granules from entering the eyes. Refer to 29 CFR 1910/133 for eye and face protection regulations.

Skin and Body Protection  Wear suitable gloves. Refer to 29 CFR 1910/138 for appropriate skin and body protection.


Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>White to gray-white granules</td>
</tr>
<tr>
<td>Color</td>
<td>White to gray-white</td>
</tr>
<tr>
<td>Odor</td>
<td>Ammonia/garlic, cinnamon odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
| Evaporation Rate         | Not determined                            | (Water = 1)
| Flammability (Solid, Gas)| Not determined                            |
| Upper Flammability Limit | Not determined                            |
| Lower Flammability Limit | Not determined                            |
| Vapor Pressure           | Not determined                            |
| Vapor Density            | Not determined                            |
| Specific Gravity         | 2.83                                      |
| Water Solubility         | Insoluble in Water                       |
| Solubility in Other Solvents | Not determined                   |
| Partition Coefficient    | Not determined                            |
| Auto-Ignition Temperature| Not determined                            |
| Decomposition Temperature| Not determined                            |
| Kinematic Viscosity      | Not determined                            |
| Dynamic Viscosity        | Not determined                            |
| Explosive Properties     | Not determined                            |
| Oxidizing Properties     | Not determined                            |

SECTION X STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Keep out of reach of children.

Incompatible Materials: Oxidizing agents.


SECTION XI TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid inhalation of dust.

Skin Contact: Avoid contact with skin.

Eye Contact: Avoid contact with eyes.

Ingestion: Do not ingest.
**SAFETY DATA SHEET**

**Component Information**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation CL50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>+6450 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Information on Physical, Chemical, and Toxicological Effects**

- **Symptoms**
  Please see section 4 pf this SDS for symptoms.

- **Delayed and Immediate Effects as Well as Chronic Effects from Short and Long-Term Exposure**

- **Carcinogenicity**
  Carcinogenetic potential is unknown.

**Numerical measures of Toxicity**

Not determined

**SECTION XII ECOLOGICAL INFORMATION**

- **Ecotoxicity:**
  The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

- **Persistence and Degradability**
  Not determined.

- **Bioaccumulation**
  Not determined.

- **Mobility**
  Not determined.

- **Other adverse Effects:**
  Not determined.

**SECTION XIII DISPOSAL CONSIDERATIONS**

- **Waste Treatment Methods**

- **Disposal of Wastes**
  Disposal should be in accordance with applicable regional, nation, and local laws and regulations.

- **Contaminated Packaging**
  Disposal should be in accordance with applicable regional, national, and local laws and regulations

**SECTION XIV TRANSPORT INFORMATION**

- **Note:**
  Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

- **D.O.T.**
  Not regulated

- **IATA**
  Not regulated

- **IMDG**
  Not regulated

**SECTION XV REGULATORY INFORMATION**

**International Inventories**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend:**

- **TSCA:** United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL:** Canadian Domestic Substances list/Non-Domestic Substances List
- **EINECS/ELINCS:** European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS:** Japan Existing and New Chemical Substances
- **IECSC:** China Inventory of Existing Chemical Substances
- **KECL:** Korean Existing and Evaluated Chemical Substances
**SAFETY DATA SHEET**

**Issued Date:** June 1, 2015  
**Revision Date:** November 11, 2015

**PICCS**  
Philippines inventory of Chemical and Chemical Substances

**AICS**  
Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**  
Not determined

**US State Regulations**

**California Proposition 65**  
This product does not contain any Proposition 65 chemicals

**US State Right-To-Know Regulations**  
Not determined

### SECTION XVI OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.