Personal Protection: If frequently exposed to airborne dust, wear a dust mask such as NIOSH 95 Particulate series or equivalent. Use goggles and/or gloves if eye and/or skin irritation occurs.

HMIS: HEALTH – 1  FLAMMABILITY – 0  REACTIVITY – 0

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Identifier: Protect-It® USEPA Reg. No. 66923-2

Product Use: Insecticide for use in stored grain and structures

Manufacturer’s Name: Hedley Technologies (USA) Inc.
Supplier’s Name: 
Address: 202 North Avenue #102, Grand Junction CO
Postal Code: 81501
Tel: 1-888-476-4473
Fax: 416-679-0373

SECTION 2 - INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>w/w%</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical name: Amorphous silicon dioxide*</td>
<td>90%</td>
<td>61790-53-2</td>
</tr>
<tr>
<td>Natural Diatomaceous Earth – Fresh Water (DE)*</td>
<td>10%</td>
<td>112926-00-8</td>
</tr>
<tr>
<td>Silica Gel*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Total crystalline silica content is <0.9%

Total Dust PEL 1

Respirable Dust TWA

Amorphos silicon dioxide

10 mg/m3

5 mg/m3

SECTION 3 - PHYSICAL DATA

Physical State: Fine off-white powder
Odor: None
Vapor Pressure: NA
Freezing Point(°C): NA
Water Solubility: Negligible
Boiling Point(°C): NA
Specific Gravity (water =1): 2
% Volatiles by Volume: Negligible
pH: 6 – 8
Evaporation Rate: NA
Melting Point
Bulk Density
190 g/l

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: Not flammable
Combustibility: Not combustible
Unusual Fire or Explosion Hazards: Not explosive

SECTION 5 - REACTIVITY DATA

Chemical Stability: Material is stable and chemically inert.
Incompatibilities with other substances: Soluble in hydrofluoric acid
Hazardous Products of Decomposition: Can include carbon dioxide and carbon monoxide
Conditions to avoid: None in designed use

SECTION 6 - TOXICOLOGICAL PROPERTIES

Primary Route of Entry: Inhalation: x
Other Route of Entry: Eye contact: x  Ingestion: x  Skin absorption: NA  Skin contact: NA

Inhalation: Mechanical irritant. May cause coughing, sneezing and soreness to throat and nose. In extreme exposures some respiratory congestion may occur.

Eye Contact: Mechanical irritant. May cause temporary irritation or inflammation

Skin Contact: May cause temporary drying of the skin.

Ingestion: Not hazardous when ingested.
SECTION 6 – TOXICOLOGICAL PROPERTIES (cont’d)

Personal Hygiene / Work Practices: Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

Effects of Chronic Exposure to Product: This product contains natural (uncalcined) diatomaceous earth (fresh water source) and synthetic amorphous silica which are considered health hazards when inhaled over long periods of time (years). Long term inhalation of these materials can cause silicosis, a noncancerous lung disease. Use of a dust mask during application prevents this hazard.

<table>
<thead>
<tr>
<th>Sensitization to product:</th>
<th>ND</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritancy of product:</td>
<td>Transitory upper respiratory irritant (mechanical irritant)</td>
</tr>
<tr>
<td>Reproductive Effects:</td>
<td>None</td>
</tr>
<tr>
<td>Teratogenicity:</td>
<td>None</td>
</tr>
<tr>
<td>Mutagenicity:</td>
<td>None</td>
</tr>
<tr>
<td>Synergistic Products:</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 7 – PREVENTIVE MEASURES

| Eye wear | Safety glasses with sideshields or goggles recommended |
| Footwear | NA |
| Respirator (dust mask) | Use NOISH/MSHA TC-21C-132 or equivalent for commercial application |
| Gloves and protective clothing | Gloves, long pants and long sleeves recommended if skin irritation occurs. |
| Engineering Controls (Ventilation) | Use sufficient natural or mechanical ventilation to keep dust level below PEL. |
| Leak & Spill Procedure | Vacuum clean dust with equipment fitted with HEPA filter, use a dust suppressant such as water if sweeping is necessary. |

Waste Disposal: Waste is not hazardous as defined by RCRA (40 CFR 261). If this product absorbs chemicals or other liquids it should be disposed in an approved landfill. Comply with federal, provincial, and local regulations.

Handling & Storage Procedures: Store in a dry place. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Seal broken containers immediately. When working with this product, measures to prevent electrostatic charging should always be taken when handling near flammable or explosive atmospheres. Continue to follow all MSDS/label warnings when handling empty containers.

Special Shipping Information: NA

SECTION 8 – FIRST AID MEASURES

If in eyes: hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If inhaled, drink water. If on skin, wash with soap and water. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SECTION 9 – ECOLOGICAL INFORMATION

Generally considered chemically inert in the environment. It is not toxic to plants or animals (except insects, arachnids and land gastropods when dry). Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

SECTION 10 – REGULATORY INFORMATION

EPA Hazard Signal Word: CAUTION. Label on product conforms to EPA and OSHA safety standards.

TSCA, CERCLA, SARA TITLE III, NTP, WHMIS: Not regulated.

IARC: Not listed as a carcinogen.

SECTION 11 – PREPARATION DATE OF MSDS

Prepared by Hedley Technologies Ltd.
Ph: 905.416.679.0377 Fax: 416.679.0373
Toll free: 1.888.476.4473 www.hedleytech.com
Date: June 19, 2012

NA = not applicable ND = not determined