

**SAFETY DATA SHEET**

753146 Alberta Ltd. o/a Ultrasol Industries  
 10755 69th Ave, NW  
 Edmonton, AB  
 T6H 2C9 Canada

**1. Identification**

**Product identifier** Sleep Tight Residual Barrier & Premise Protector Bed Bug Killer 515 Gram

**Other means of identification**

**Product code** Item # 22107, PCP # 30809

**Recommended use** Pesticide

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information****Manufacturer**

**Company name** 753146 Alberta Ltd. o/a Ultrasol Industries  
**Address** 10755 69th Ave, NW  
 Edmonton, AB  
 T6H 2C9 Canada  
**Telephone** 1-800-452-0023  
**E-mail** Not available.  
**Emergency phone number** Emergency - Outside US 1-952-852-4646  
 Emergency - US 1-866-836-8855

**Supplier** Not available.

**2. Hazard(s) identification**

**Physical hazards** Flammable aerosols Category 1

**Health hazards** Sensitization, skin Category 1

**Label elements**

**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. May cause an allergic skin reaction.

**Precautionary statement**

**Prevention** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing mist or vapor. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**Response** IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Storage** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 1

Hazardous to the aquatic environment, long-term hazard Category 1

**Other hazards** None known.

**Supplemental information** None.

**3. Composition/information on ingredients****Mixtures**

| Chemical name | Common name and synonyms | CAS number | %       |
|---------------|--------------------------|------------|---------|
| Butane        |                          | 106-97-8   | 15 - 40 |
| Propane       |                          | 74-98-6    | 5 - 10  |

| Chemical name                               | Common name and synonyms | CAS number | %         |
|---|--------------------------|------------|-----------|
| Distillates (petroleum), Hydrotreated Light |                          | 64742-47-8 | 3 - 7     |
| White Mineral Oil                           |                          | 8042-47-5  | 1 - 5     |
| Permethrin                                  |                          | 52645-53-1 | 0.5 - 1.5 |
| Other components below reportable levels    |                          |            | 40 - 70   |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | May cause an allergic skin reaction. Dermatitis. Rash.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.                        |

#### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Powder. Carbon dioxide (CO2).  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.   |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.   |
| <b>General fire hazards</b>  | Extremely flammable aerosol.   |

#### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. |
| <b>Environmental precautions</b>   | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.<br>Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.   |

## 7. Handling and storage

### Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components            | Type | Value    |
|-----------------------|------|----------|
| Butane (CAS 106-97-8) | STEL | 1000 ppm |

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components            | Type | Value    |
|-----------------------|------|----------|
| Butane (CAS 106-97-8) | TWA  | 1000 ppm |
| Propane (CAS 74-98-6) | TWA  | 1000 ppm |

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components   | Type | Value                 | Form         |
|--|------|-----------------------|--------------|
| Butane (CAS 106-97-8)  | STEL | 750 ppm               |              |
|  | TWA  | 600 ppm               |              |
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) | TWA  | 200 mg/m <sup>3</sup> | Non-aerosol. |

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

| Components            | Type | Value    |
|-----------------------|------|----------|
| Butane (CAS 106-97-8) | STEL | 1000 ppm |

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| Components            | Type | Value   |
|-----------------------|------|---------|
| Butane (CAS 106-97-8) | TWA  | 800 ppm |

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

| Components            | Type | Value                              |
|-----------------------|------|------------------------------------|
| Butane (CAS 106-97-8) | TWA  | 1900 mg/m <sup>3</sup><br>800 ppm  |
| Propane (CAS 74-98-6) | TWA  | 1800 mg/m <sup>3</sup><br>1000 ppm |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Exposure guidelines

#### Canada - British Columbia OELs: Skin designation

Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8)

Can be absorbed through the skin.

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Face shield is recommended. Wear safety glasses with side shields (or goggles).

|                                       |   |
|---------------------------------------|---|
| <b>Skin protection</b>                |   |
| <b>Hand protection</b>                | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.   |
| <b>Other</b>                          | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.  |
| <b>Respiratory protection</b>         | If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.   |
| <b>Thermal hazards</b>                | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b> | When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. |

## 9. Physical and chemical properties

### Appearance

|  |  |
|--|--|
| <b>Physical state</b>                          | Liquid.                                    |
| <b>Form</b>                                    | Aerosol.                                   |
| <b>Color</b>                                   | Not available.                             |
| <b>Odor</b>                                    | Not available.                             |
| <b>Odor threshold</b>                          | Not available.                             |
| <b>pH</b>                                      | Not available.                             |
| <b>Melting point/freezing point</b>            | Not available.                             |
| <b>Initial boiling point and boiling range</b> | 232.02 °F (111.12 °C) estimated            |
| <b>Flash point</b>                             | -156.0 °F (-104.4 °C) Propellant estimated |
| <b>Evaporation rate</b>                        | Not available.                             |
| <b>Flammability (solid, gas)</b>               | Not applicable.                            |

### Upper/lower flammability or explosive limits

|  |                             |
|--|-----------------------------|
| <b>Flammability limit - lower (%)</b>          | Not available.              |
| <b>Flammability limit - upper (%)</b>          | Not available.              |
| <b>Explosive limit - lower (%)</b>             | Not available.              |
| <b>Explosive limit - upper (%)</b>             | Not available.              |
| <b>Vapor pressure</b>                          | 68 - 78 psig @20C estimated |
| <b>Vapor density</b>                           | Not available.              |
| <b>Relative density</b>                        | Not available.              |
| <b>Solubility(ies)</b>                         |                             |
| <b>Solubility (water)</b>                      | Not available.              |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.              |
| <b>Auto-ignition temperature</b>               | Not available.              |
| <b>Decomposition temperature</b>               | Not available.              |
| <b>Viscosity</b>                               | Not available.              |

### Other information

|                                      |                        |
|--------------------------------------|------------------------|
| <b>Explosive properties</b>          | Not explosive.         |
| <b>Flammability class</b>            | Flammable IB estimated |
| <b>Heat of combustion (NFPA 30B)</b> | 15.24 kJ/g estimated   |
| <b>Oxidizing properties</b>          | Not oxidizing.         |
| <b>Specific gravity</b>              | 0.857 estimated        |

## 10. Stability and reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|-------------------|---|

|   |  |
|---|--|
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Nitrates. Fluorine. Chlorine.                             |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.                                     |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No adverse effects due to inhalation are expected.       |
| <b>Skin contact</b> | May cause an allergic skin reaction.                     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                   |

**Symptoms related to the physical, chemical and toxicological characteristics** May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** May cause an allergic skin reaction.

| Components   | Species | Test Results           |
|--|---------|------------------------|
| Butane (CAS 106-97-8)  |         |                        |
| <b>Acute</b>   |         |                        |
| <b>Inhalation</b>  |         |                        |
| LC50   | Mouse   | 1237 mg/l, 120 Minutes |
|  |         | 52 %, 120 Minutes      |
|  | Rat     | 1355 mg/l              |
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) |         |                        |
| <b>Acute</b>   |         |                        |
| <b>Dermal</b>  |         |                        |
| LD50   | Rabbit  | > 2000 mg/kg           |
|  |         | > 2000 mg/kg, 24 Hours |
| <b>Inhalation</b>  |         |                        |
| LC50   | Rat     | > 7.5 mg/l, 6 Hours    |
|  |         | > 4.6 mg/l, 4 Hours    |
| <b>Oral</b>  |         |                        |
| LD50   | Rat     | > 5000 mg/kg           |
| Propane (CAS 74-98-6)  |         |                        |
| <b>Acute</b>   |         |                        |
| <b>Inhalation</b>  |         |                        |
| LC50   | Mouse   | 1237 mg/l, 120 Minutes |
|  |         | 52 %, 120 Minutes      |
|  | Rat     | 1355 mg/l              |
|  |         | 658 mg/l/4h            |
| White Mineral Oil (CAS 8042-47-5)                            |         |                        |
| <b>Acute</b>   |         |                        |
| <b>Dermal</b>  |         |                        |
| LD50   | Rabbit  | > 2000 mg/kg, 24 Hours |
| <b>Inhalation</b>  |         |                        |
| LC50   | Rat     | 2.18 mg/l, 4 Hours     |

| Components          | Species | Test Results |
|---------------------|---------|--------------|
| <b>Oral</b><br>LD50 | Rat     | > 5000 mg/kg |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

#### Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### Carcinogenicity

##### IARC Monographs. Overall Evaluation of Carcinogenicity

Permethrin (CAS 52645-53-1) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Components   | Species | Test Results  |
|--|---------|---|
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) |         |   |
| <b>Aquatic</b>   |         |   |
| Fish   | LC50    | Rainbow trout,donaldson trout (Oncorhynchus mykiss) |
| 2.9 mg/l, 96 hours   |         |   |
| Permethrin (CAS 52645-53-1)                                  |         |   |
| <b>Aquatic</b>   |         |   |
| Crustacea  | EC50    | Water flea (Daphnia magna)                          |
| 0.0006 - 0.0025 mg/l, 48 hours                               |         |   |
| Fish   | LC50    | Apache trout (Oncorhynchus gilae apache)            |
| 0.0013 - 0.0022 mg/l, 96 hours                               |         |   |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

#### Bioaccumulative potential

##### Partition coefficient n-octanol / water (log Kow)

|            |      |
|------------|------|
| Butane     | 2.89 |
| Permethrin | 6.5  |
| Propane    | 2.36 |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

|  |  |
|--|--|
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                           |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. |

## 14. Transport information

### TDG

|                                     |  |
|-------------------------------------|--|
| <b>UN number</b>                    | UN1950   |
| <b>UN proper shipping name</b>      | AEROSOLS, flammable  |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | 2.1  |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | Not applicable.  |
| <b>Environmental hazards</b>        | Yes  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.<br>This product meets the exemption requirements and may be shipped as a limited quantity. |

### IATA

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | Aerosols, flammable   |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | 2.1   |
| <b>Packing group</b>                | Not applicable.   |
| <b>Environmental hazards</b>        | Yes   |
| <b>ERG Code</b>                     | 10L   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |

#### Other information

|                                     |                            |
|-------------------------------------|----------------------------|
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions. |
| <b>Cargo aircraft only</b>          | Allowed with restrictions. |

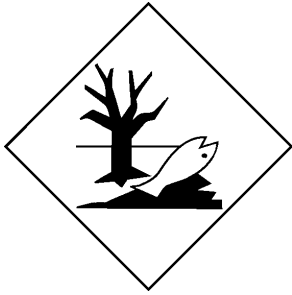
### IMDG

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | AEROSOLS  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2.1   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | 2.1   |
| <b>Packing group</b>                | Not applicable.   |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>EmS</b>                          | F-D, S-U  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

IATA; IMDG; TDG



**Marine pollutant****General information**

IMDG Regulated Marine Pollutant.

**15. Regulatory information****Canadian regulations****Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

| <b>Country(s) or region</b> | <b>Inventory name</b>  | <b>On inventory (yes/no)*</b> |
|-----------------------------|--|-------------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                           |
| Canada                      | Domestic Substances List (DSL)   | No                            |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                            |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                           |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                            |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                            |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                            |
| Korea                       | Existing Chemicals List (ECL)  | Yes                           |
| New Zealand                 | New Zealand Inventory  | Yes                           |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                           |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                            |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other Information**

|                   |            |
|-------------------|------------|
| <b>Issue date</b> | 01-07-2021 |
| <b>Version #</b>  | 01         |



**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.