**SECTION 1: Product and company identification**

Product name: DS Insect Repellent  
Use of the substance/mixture: Aerosol  
Pest control products - Insect repellents  
Product code: 841501  
Company: Share Corporation  
P.O. Box 245013  
Milwaukee, WI 53224 - USA  
T (414) 355-4000  
Emergency number: Chemtrec: (800) 424-9300

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

**Classification (GHS-US)**
- Flam. Aerosol 2 H223
- Compressed gas H280
- Skin Irrit. 2 H315
- Eye Irrit. 2A H319

Full text of H-phrases: see section 16

2.2. Label elements

**GHS-US labeling**

Hazard pictograms (GHS-US):
- GHS02
- GHS04
- GHS07

Signal word (GHS-US): Warning

Hazard statements (GHS-US):
- Contains gas under pressure; may explode if heated
- Causes skin irritation
- Causes serious eye irritation

Precautionary statements (GHS-US):
- Keep away from heat, hot surfaces, open flames, sparks. - No smoking
- Do not spray on an open flame or other ignition source
- Pressurized container: Do not pierce or burn, even after use
- Wash thoroughly after handling
- Wear eye protection, face protection, protective clothing, protective gloves
- If on skin: Wash with plenty of water
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If skin irritation occurs: Get medical advice/attention
- If eye irritation persists: Get medical advice/attention
- Take off contaminated clothing and wash before reuse
- Store in a well-ventilated place
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

**SECTION 3: Composition/information on ingredients**

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
</table>
| 2-propanol | (CAS No) 67-63-0 | 15 - 40 | Flam. Liq. 2, H225  
Eye Irrit. 2A, H319  
STOT SE 3, H336 |
### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**First-aid measures general**: If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation**: Remove the victim into fresh air. Artificial respiration and/or oxygen if necessary.

**First-aid measures after skin contact**: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**First-aid measures after eye contact**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**First-aid measures after ingestion**: Rinse mouth with water. Do not induce vomiting without medical advice. Get medical advice/attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- **Symptoms/injuries after inhalation**: None under normal use.
- **Symptoms/injuries after skin contact**: Causes skin irritation.
- **Symptoms/injuries after eye contact**: Causes serious eye irritation.
- **Symptoms/injuries after ingestion**: Gastrointestinal complaints.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**: Dry chemical powder. Alcohol-resistant foam. Foam.

**Unsuitable extinguishing media**: Solid water jet ineffective as extinguishing medium.

#### 5.2. Special hazards arising from the substance or mixture

- **Fire hazard**: Flammable aerosol.
- **Reactivity**: Upon combustion: CO and CO2 are formed.

#### 5.3. Advice for firefighters

**Firefighting instructions**: Exercise caution when fighting any chemical fire. Do not breathe fumes from fires or vapors from decomposition.

**Protection during firefighting**: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**General measures**: No flames, No sparks. Eliminate all sources of ignition. No naked lights. No smoking.

**6.1.1. For non-emergency personnel**

Protective equipment: Do not enter without an appropriate protective equipment.

**6.1.2. For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.

**Emergency procedures**: Stop leak if safe to do so. Stop release. Ventilate area.

#### 6.2. Environmental precautions

Take up liquid spill into inert absorbent material.

#### 6.3. Methods and material for containment and cleaning up

**For containment**: Dam up the liquid spill. Collect spillage.

**Methods for cleaning up**: Take up liquid spill into absorbent material.

#### 6.4. Reference to other sections

No additional information available.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Additions hazards when processed: Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Do not puncture, incinerate or crush.
Storage conditions: Do not expose to temperatures exceeding 50 °C/122 °F. Keep cool. Protect from sunlight. Store in a well-ventilated place. Store in a dry place.
Storage area: Aerosol 2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Compound</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (ppm)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-propanol (67-63-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>Eye &amp; URT irr; CNS impair</td>
</tr>
<tr>
<td>acetone, propan-2-one, propanone (67-64-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>Eye irr; CNS impair; BEI</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Ensure good ventilation of the work station.
Personal protective equipment: Safety glasses.

SECTION 9: Physical and chemical properties

9.1. 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>Gas</td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>165 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific gravity / density</td>
<td>0.87 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
**Decomposition temperature**: No data available
**Viscosity**: No data available
**Viscosity, kinematic**: No data available
**Viscosity, dynamic**: No data available
**VOC content**: 64.5 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
Upon combustion: CO and CO2 are formed.

#### 10.2. Chemical stability
Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions
No additional information available

#### 10.4. Conditions to avoid
Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point.

#### 10.5. Incompatible materials
Oxidizing agent. strong acids. alkalis.

#### 10.6. Hazardous decomposition products
Carbon dioxide. Carbon monoxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity** : Not classified

**N,N-diethyl-m-toluamide, deet (134-62-3)**
- **ATE CLP (oral)**: 500.000 mg/kg body weight

**2-propanol (67-63-0)**
- **LD50 oral rat**: 5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)
- **LD50 dermal rabbit**: 12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
- **LC50 inhalation rat (mg/l)**: 73 mg/l/4h (Rat)
- **ATE CLP (oral)**: 5045.000 mg/kg body weight
- **ATE CLP (dermal)**: 12870.000 mg/kg body weight
- **ATE CLP (vapors)**: 73.000 mg/l/4h
- **ATE CLP (dust, mist)**: 73.000 mg/l/4h

**Skin corrosion/irritation**: Causes skin irritation.

**Serious eye damage/irritation**: Causes serious eye irritation.

**Respiratory or skin sensitization**: Not classified.

**Germ cell mutagenicity**: Not classified.

**Carcinogenicity**: Not classified.

**2-propanol (67-63-0)**
- **IARC group**: 3 - Not Classifiable

**Reproductive toxicity** : Not classified

**Specific target organ toxicity (single exposure)** : Not classified.

**Specific target organ toxicity (repeated exposure)** : Not classified.

**Aspiration hazard** : Not classified.

**Symptoms/injuries after inhalation** : None under normal use.

**Symptoms/injuries after skin contact** : Causes skin irritation.

**Symptoms/injuries after eye contact** : Causes serious eye irritation.

**Symptoms/injuries after ingestion** : Gastrointestinal complaints.
## 2.2. Persistence and degradability

### 2-propanol (67-63-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>1.19 g O₂/g substance</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>2.23 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>2.40 g O₂/g substance</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>0.49 % ThOD</td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

#### 2-propanol (67-63-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>0.05 (Experimental value)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## SECTION 14: Transport information

### Department of Transportation (DOT)

- **Transport document description**: UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1
- **UN-No.(DOT)**: UN1950
- **Proper Shipping Name (DOT)**: Aerosols flammable, (each not exceeding 1 L capacity)
- **Transport hazard class(es) (DOT)**: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
- **Hazard labels (DOT)**: 2.1 - Flammable gas

- **Marine pollutant**: Yes (IMDG only)

- **DOT Packaging Non Bulk (49 CFR 173.xxx)**: None
- **DOT Packaging Bulk (49 CFR 173.xxx)**: None
- **DOT Special Provisions (49 CFR 172.102)**: N82
- **DOT Packaging Exceptions (49 CFR 173.xxx)**: 306
- **DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)**: 75 kg
- **DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)**: 150 kg
- **DOT Vessel Stowage Location**: A
- **DOT Vessel Stowage Other**: 25 - Shade from radiant heat. 87 - Stow “separated from” Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials
Additional information
Other information
This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

ADR
No additional information available

Transport by sea

<table>
<thead>
<tr>
<th>UN-No. (IMDG)</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name (IMDG)</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Class (IMDG)</td>
<td>2.1 - Flammable gases</td>
</tr>
</tbody>
</table>

Air transport

<table>
<thead>
<tr>
<th>UN-No. (IATA)</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name (IATA)</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Class (IATA)</td>
<td>2.1 - Gases : Flammable</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>2-propanol</th>
<th>CAS No 67-63-0</th>
<th>15 - 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-propanol (67-63-0)</td>
<td>Listed on SARA Section 313 (Specific toxic chemical listings)</td>
<td></td>
</tr>
<tr>
<td>acetone, propan-2-one, propanone (67-64-1)</td>
<td>Not listed on SARA Section 313 (Specific toxic chemical listings)</td>
<td></td>
</tr>
<tr>
<td>RQ (Reportable quantity, section 304 of EPA’s List of Lists)</td>
<td>5000 lb</td>
<td></td>
</tr>
</tbody>
</table>

California Proposition 65 - This product does not contain trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

SECTION 16: Other information

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carc. 1A</td>
<td>Carcinogenicity Category 1A</td>
</tr>
<tr>
<td>Compressed gas</td>
<td>Gases under pressure Compressed gas</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Flam. Aerosol 2</td>
<td>Flammable aerosol Category 2</td>
</tr>
<tr>
<td>Flam. Gas 1</td>
<td>Flammable gases Category 1</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>Muta. 1B</td>
<td>Germ cell mutagenicity Category 1B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H220</td>
<td>Extremely flammable gas</td>
</tr>
<tr>
<td>H223</td>
<td>Flammable aerosol</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H340</td>
<td>May cause genetic defects</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
</tbody>
</table>
NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.