SECTION 1: Identification

1.1. Product identifier
3M ULTRATHON™ INSECT REPELLENT 8 (SPRAY)

Product Identification Numbers
70-0068-4906-4, 70-0068-4907-2, 70-1001-9373-2, 70-1001-9812-9, 70-1001-9813-7

1.2. Recommended use and restrictions on use

Recommended use
INSECT REPELLENT

1.3. Supplier’s details
MANUFACTURER: 3M
DIVISION: Consumer Health Care Division
ADDRESS: 3M Center, St. Paul, MN 55144-1000, USA
Telephone: 1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification
Flammable Aerosol: Category 1.
Gas Under Pressure: Liquefied gas.
Serious Eye Damage/Irritation: Category 2A.
Simple Asphyxiant.
Specific Target Organ Toxicity (single exposure): Category 1.
Specific Target Organ Toxicity (single exposure): Category 3.

2.2. Label elements
Signal word
Danger

Symbols
Flame | Gas cylinder | Exclamation mark | Health Hazard |
Pictograms

Hazard Statements
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.

Causes serious eye irritation.
May cause drowsiness or dizziness.
May displace oxygen and cause rapid suffocation.

Causes damage to organs:
cardiovascular system

Precautionary Statements
General:
Keep out of reach of children.

Prevention:
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear eye/face protection.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

Response:
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
IF exposed:  Call a POISON CENTER or doctor/physician.
Specific treatment (see Notes to Physician on this label).

Storage:
Protect from sunlight.  Do not expose to temperatures exceeding 50C/122F.
Store in a well-ventilated place.  Keep container tightly closed.
Store locked up.

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

Notes to Physician:
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

33% of the mixture consists of ingredients of unknown acute oral toxicity.
37% of the mixture consists of ingredients of unknown acute dermal toxicity.
75% of the mixture consists of ingredients of unknown acute inhalation toxicity.
SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>% by Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>20 - 40</td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>75-28-5</td>
<td>10 - 30</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>75-37-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2-ETHYLHEXYL OXYSTEARATE</td>
<td>29710-25-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>ACRYLATE POLYMER</td>
<td>Trade Secret*</td>
<td>1 - 5</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>134-62-3</td>
<td>25</td>
</tr>
</tbody>
</table>

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Remove person to fresh air. Get medical attention.

Skin Contact:
No need for first aid is anticipated.

Eye Contact:
Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

If Swallowed:
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
See Section 11.1. Information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media
Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>During Combustion</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>During Combustion</td>
</tr>
</tbody>
</table>

5.3. Special protective actions for fire-fighters
Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and
prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Contain spill. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid eye contact. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities
Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat. Store away from acids. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>Agency</th>
<th>Limit type</th>
<th>Additional Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>ACGIH</td>
<td>TWA:200 ppm; STEL:400 ppm</td>
<td>A4: Not class. as human carcin</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>OSHA</td>
<td>TWA:980 mg/m3 (400 ppm)</td>
<td></td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLANT)</td>
<td>75-28-5</td>
<td>ACGIH</td>
<td>STEL:1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Natural gas</td>
<td>75-28-5</td>
<td>ACGIH</td>
<td>Limit value not established:</td>
<td></td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE</td>
<td>75-37-6</td>
<td>AIHA</td>
<td>TWA:2700 mg/m3 (1000 ppm)</td>
<td></td>
</tr>
</tbody>
</table>
8.2. Exposure controls

8.2.1. Engineering controls
Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection
Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Under normal use conditions, eye exposure is not expected to be significant enough to require eye protection.

- Full Face Shield
- Indirect Vented Goggles

Skin/hand protection
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Under normal use conditions, skin exposure is not expected to be significant enough to require skin protection.

Gloves made from the following material(s) are recommended: Nitrile Rubber

Respiratory protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

- Half facepiece or full facepiece supplied-air respirator

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Value</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Physical Form</td>
<td>Liquid -Aerosol</td>
<td></td>
</tr>
<tr>
<td>Specific Physical Form</td>
<td>Aerosol</td>
<td></td>
</tr>
<tr>
<td>Odor, Color, Grade</td>
<td>Light yellow with alcohol/DEET odor.</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No Data Available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>4.6</td>
<td>[Details: 1% water solution]</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No Data Available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>-75 °F</td>
<td>[Test Method: Tagliabue Closed Cup] [Details: Flammable Gas]</td>
</tr>
</tbody>
</table>
Evaporation rate: No Data Available
Flammability (solid, gas): Not Applicable
Flammable Limits(LEL): 1.8 %
Flammable Limits(UEL): 12.7 %
Vapor Pressure: 33 mmHg [@ 68 °F]
Vapor Density: No Data Available
Density: 0.867 g/ml [Details:(Liquid portion only)]
Specific Gravity: 0.867 [Ref Std: WATER=1] [Details:(Liquid Portion Only)]
Solubility in Water: Negligible
Solubility- non-water: No Data Available
Partition coefficient: n-octanol/ water: No Data Available
Autoignition temperature: No Data Available
Decomposition temperature: No Data Available
Viscosity: 11 centipoise [Test Method: ACS METHOD] [Details:(Liquid portion only)]
Volatile Organic Compounds: 63.5 % [Test Method: calculated per CARB title 2]
VOC Less H2O & Exempt Solvents: 63.5 % [Test Method: calculated per EPA method 24]

SECTION 10: Stability and reactivity

10.1. Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Heat
Sparks and/or flames

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known.</td>
<td></td>
</tr>
</tbody>
</table>

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects
Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation:**
Intentional concentration and inhalation may be harmful or fatal.

  - Simple Asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal.

  - Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

  - May cause additional health effects (see below).

**Skin Contact:**
Prolonged or repeated exposure may cause:

  - Dermal Defatting: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

**Eye Contact:**
Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion:**
May be harmful if swallowed.

  - Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

  - May cause additional health effects (see below).

**Additional Health Effects:**

Single exposure may cause target organ effects:

- Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

  - Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

**Toxicological Data**
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

### Acute Toxicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall product</td>
<td>Dermal</td>
<td>No data available; calculated ATE &gt;5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Overall product</td>
<td>Inhalation-Dust/Mist(4 hr)</td>
<td>No data available; calculated ATE5 - 12.5 mg/l</td>
<td></td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50 12,870 mg/kg</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation-Vapor (4 hours)</td>
<td>Rat</td>
<td>LC50 72.6 mg/l</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 4,710 mg/kg</td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>Inhalation-Gas (4 hours)</td>
<td>Rat</td>
<td>LC50 276,000 ppm</td>
</tr>
<tr>
<td>Name</td>
<td>Route</td>
<td>Species</td>
<td>Value</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-------------------------------</td>
<td>---------</td>
<td>------------------------</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50 4,280 mg/kg</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Inhalation-Dust/Mist (4 hours)</td>
<td>Rat</td>
<td>LC50 6 mg/l</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 1,892 mg/kg</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>Inhalation-Gas (4 hours)</td>
<td>Rat</td>
<td>LC50 &gt; 437,000 ppm</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 &gt; 1,500 mg/kg</td>
</tr>
</tbody>
</table>

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Multiple animal species</td>
<td>No significant irritation</td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>Professional judgement</td>
<td>No significant irritation</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Rabbit</td>
<td>Minimal irritation</td>
</tr>
</tbody>
</table>

### Serious Eye Damage/Irritation

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Rabbit</td>
<td>Severe irritant</td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>Professional judgement</td>
<td>No significant irritation</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Rabbit</td>
<td>Moderate irritant</td>
</tr>
</tbody>
</table>

### Skin Sensitization

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Guinea pig</td>
<td>Not classified</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Human</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

### Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Germ Cell Mutagenicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>In vivo</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>In Vitro</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>In vivo</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
</tbody>
</table>

### Carcinogenicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation</td>
<td>Rat</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Ingestion</td>
<td>Rat</td>
<td>Not carcinogenic</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>Rat</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
</tbody>
</table>
Reproductive Toxicity

Reproductive and/or Developmental Effects

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Ingestion</td>
<td>Not classified for development</td>
<td>Rat</td>
<td>NOAEL 400 mg/kg/day</td>
<td>during organogenesis</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation</td>
<td>Not classified for development</td>
<td>Rat</td>
<td>LOAEL 9 mg/l</td>
<td>during gestation</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Ingestion</td>
<td>Not classified for female reproduction</td>
<td>Rat</td>
<td>NOAEL 250 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Ingestion</td>
<td>Not classified for male reproduction</td>
<td>Rat</td>
<td>NOAEL 250 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Ingestion</td>
<td>Not classified for development</td>
<td>Rat</td>
<td>NOAEL 100 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>Not classified for development</td>
<td>Rat</td>
<td>NOAEL 50,000 ppm</td>
<td>during organogenesis</td>
</tr>
</tbody>
</table>

Target Organ(s)

Specific Target Organ Toxicity - single exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation</td>
<td>central nervous system depression</td>
<td>May cause drowsiness or dizziness</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td></td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td></td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation</td>
<td>auditory system</td>
<td>Not classified</td>
<td>Guinea pig</td>
<td>NOAEL 13.4 mg/l</td>
<td>24 hours</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Ingestion</td>
<td>central nervous system depression</td>
<td>May cause drowsiness or dizziness</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td>poisoning and/or abuse</td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>cardiac sensitization</td>
<td>Causes damage to organs</td>
<td>Multiple animal species</td>
<td>NOAEL Not available</td>
<td></td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>central nervous system depression</td>
<td>May cause drowsiness or dizziness</td>
<td>Human and animal</td>
<td>NOAEL Not available</td>
<td></td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>Not classified</td>
<td>Mouse</td>
<td>NOAEL Not available</td>
<td></td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>cardiac sensitization</td>
<td>Causes damage to organs</td>
<td>Human and animal</td>
<td>NOAEL Not available</td>
<td>poisoning and/or abuse</td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>central nervous system depression</td>
<td>May cause drowsiness or dizziness</td>
<td>Human and animal</td>
<td>NOAEL 100,000 ppm</td>
<td></td>
</tr>
<tr>
<td>1,1-DIFLUOROETHANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Not available</td>
<td>NOAEL Not available</td>
<td>not available</td>
</tr>
</tbody>
</table>

Specific Target Organ Toxicity - repeated exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation</td>
<td>kidney and/or bladder</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 12.3 mg/l</td>
<td>24 months</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Inhalation</td>
<td>nervous system</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 12 mg/l</td>
<td>13 weeks</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>Ingestion</td>
<td>kidney and/or bladder</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 400 mg/kg/day</td>
<td>12 weeks</td>
</tr>
<tr>
<td>ISOBUTANE (PROPELLENT)</td>
<td>Inhalation</td>
<td>kidney and/or bladder</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 4,500 ppm</td>
<td>13 weeks</td>
</tr>
<tr>
<td>N,N-DIETHYL M-TOLUAMIDE</td>
<td>Dermal</td>
<td>liver</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 1,000</td>
<td>13 weeks</td>
</tr>
</tbody>
</table>
### Aspiration Hazard
For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

### SECTION 12: Ecological information

#### Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

#### Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

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

Incinerate in a permitted waste incineration facility. Facility must be capable of handling aerosol cans. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**EPA Hazardous Waste Number (RCRA): D001 (Ignitable)**

### SECTION 14: Transport Information

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

### SECTION 15: Regulatory information

#### 15.1. US Federal Regulations

Contact 3M for more information.

**EPCRA 311/312 Hazard Classifications:**

Physical Hazards
Flammable (gases, aerosols, liquids, or solids)
Gas under pressure

**Health Hazards**
- Serious eye damage or eye irritation
- Simple Asphyxiant
- Specific target organ toxicity (single or repeated exposure)

**FIFRA**

**Status**
Registered

**Registration Number**
58007-7

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

End user must read and follow all information as listed on the product container label according to US EPA regulations.

**WARNING**
Causes substantial but temporary eye injury.
Harmful if swallowed.
Use of this product may cause skin reactions in rare cases.

**FLAMMABLE**
Contents under pressure.
Exposure to temperatures above 120F may cause bursting.

**15.2. State Regulations**
Contact 3M for more information.

**15.3. Chemical Inventories**
Contact 3M for more information.

**15.4. International Regulations**
Contact 3M for more information.

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**NFPA Hazard Classification**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
<th>Aerosol Storage Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
<td>0</td>
<td>None</td>
<td>3</td>
</tr>
</tbody>
</table>

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**HMIS Hazard Classification**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>4</td>
<td>0</td>
<td>X - See PPE section.</td>
</tr>
</tbody>
</table>
Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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