



## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Foam and Fabric 24 Spray Adhesive, Orange

#### Product Identification Numbers

| ID Number      | UPC | ID Number      | UPC |
|----------------|-----|----------------|-----|
| 62-4923-4920-4 |     | 62-4923-4925-3 |     |

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Adhesive aerosol, Industrial Use

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Industrial Adhesives and Tapes Division |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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.  
Serious Eye Damage/Irritation: Category 2B.  
Reproductive Toxicity: Category 2.  
Simple Asphyxiant.  
Specific Target Organ Toxicity (single exposure): Category 1.  
Specific Target Organ Toxicity (central nervous system): Category 3.  
Specific Target Organ Toxicity (respiratory irritation): Category 3.  
Specific Target Organ Toxicity (repeated exposure): Category 1.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Flame | Exclamation mark | Health Hazard |

**Pictograms**



**Hazard Statements**

Extremely flammable aerosol.

Causes eye irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Suspected of damaging fertility or the unborn child.

May displace oxygen and cause rapid suffocation.

Causes damage to organs:  
cardiovascular system |

Causes damage to organs through prolonged or repeated exposure:  
nervous system |

**Precautionary Statements**

**General:**

Keep out of reach of children.

**Prevention:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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 protective gloves.

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 or concerned: Get medical advice/attention.

Specific treatment (see Notes to Physician on this label).

**Storage:**

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

Keep container tightly closed.

Store locked up in a well-ventilated place.

**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.

**2.3. Hazards not otherwise classified**

Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

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

| Ingredient   | C.A.S. No.    | % by Wt                |
|--|---------------|------------------------|
| Methyl acetate   | 79-20-9       | 25 - 35 Trade Secret * |
| Non-hazardous components (N.J.T.S. Reg no. 4499600-6763) | Trade Secret* | 15 - 30 Trade Secret * |
| Dimethyl ether   | 115-10-6      | 15 - 25 Trade Secret * |
| Hexane   | 110-54-3      | 10 - 20 Trade Secret * |
| Propane  | 74-98-6       | 5 - 10 Trade Secret *  |
| Isobutane  | 75-28-5       | 5 - 10 Trade Secret *  |

\*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:**

Wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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****Substance**

Carbon monoxide

**Condition**

During Combustion

Carbon dioxide  
Toxic Vapor, Gas, Particulate

During Combustion  
During Combustion

### 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.

## SECTION 6: Accidental release measures

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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. 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

Avoid release to the environment.

### 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. 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 get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required.

### 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.

| Ingredient | C.A.S. No. | Agency | Limit type              | Additional Comments |
|------------|------------|--------|-------------------------|---------------------|
| Hexane     | 110-54-3   | ACGIH  | TWA:50 ppm              | Skin Notation       |
| Hexane     | 110-54-3   | OSHA   | TWA:1800 mg/m3(500 ppm) |                     |

|                |          |       |                              |  |
|----------------|----------|-------|------------------------------|--|
| Dimethyl ether | 115-10-6 | AIHA  | TWA:1880 mg/m3(1000 ppm)     |  |
| Dimethyl ether | 115-10-6 | CMRG  | TWA:1000 ppm                 |  |
| Propane        | 74-98-6  | ACGIH | Limit value not established: |  |
| Propane        | 74-98-6  | OSHA  | TWA:1800 mg/m3(1000 ppm)     |  |
| Isobutane      | 75-28-5  | ACGIH | STEL:1000 ppm                |  |
| Natural gas    | 75-28-5  | ACGIH | Limit value not established: |  |
| Methyl acetate | 79-20-9  | ACGIH | TWA:200 ppm;STEL:250 ppm     |  |
| Methyl acetate | 79-20-9  | OSHA  | TWA:610 mg/m3(200 ppm)       |  |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 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:

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.

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

Fluoroelastomer

Nitrile Rubber

#### 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

Organic vapor respirators may have short service life.

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

**General Physical Form:** Liquid

**Specific Physical Form:** Aerosol

|  |   |
|--|---|
| <b>Odor, Color, Grade:</b>                     | Orange Color, Mild Solvent Odor   |
| <b>Odor threshold</b>                          | <i>No Data Available</i>  |
| <b>pH</b>                                      | <i>No Data Available</i>  |
| <b>Melting point</b>                           | <i>No Data Available</i>  |
| <b>Flash Point</b>                             | -137 °F [ <i>Details:</i> Propellant]   |
| <b>Evaporation rate</b>                        | 1.90 [ <i>Ref Std:</i> ETHER=1]   |
| <b>Flammability (solid, gas)</b>               | Not Applicable  |
| <b>Flammable Limits(LEL)</b>                   | <i>No Data Available</i>  |
| <b>Flammable Limits(UEL)</b>                   | <i>No Data Available</i>  |
| <b>Vapor Pressure</b>                          | <i>No Data Available</i>  |
| <b>Vapor Density</b>                           | 2.97 [ <i>Ref Std:</i> AIR=1]   |
| <b>Density</b>                                 | 0.73 - 0.77 g/ml  |
| <b>Specific Gravity</b>                        | 0.73 - 0.77 [ <i>Ref Std:</i> WATER=1]  |
| <b>Solubility in Water</b>                     | Nil   |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>  |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>  |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>  |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>  |
| <b>Viscosity</b>                               | <i>Not Applicable</i>   |
| <b>Hazardous Air Pollutants</b>                | 16.8 % weight [ <i>Test Method:</i> Calculated]   |
| <b>Volatile Organic Compounds</b>              | 388 g/l [ <i>Test Method:</i> calculated SCAQMD rule 443.1] [ <i>Details:</i> Material VOC] |
| <b>Volatile Organic Compounds</b>              | 51.8 % [ <i>Test Method:</i> calculated per CARB title 2]                                   |
| <b>Percent volatile</b>                        | 77 % weight   |
| <b>Solids Content</b>                          | 17.3 %  |

## 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

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

**Substance**

None known.

**Condition**

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:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

##### Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

##### Ingestion:

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.

##### Prolonged or repeated exposure may cause target organ effects:

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

##### Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

#### 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

| Name            | Route       | Species | Value   |
|-----------------|-------------|---------|---|
| Overall product | Ingestion   |         | No data available; calculated ATE > 5,000 mg/kg |
| Methyl acetate  | Dermal      | Rat     | LD50 > 2,000 mg/kg                              |
| Methyl acetate  | Inhalation- | Rat     | LC50 > 49 mg/l                                  |

|  |                            |               |                     |
|--|----------------------------|---------------|---------------------|
|  | Vapor (4 hours)            |               |                     |
| Methyl acetate   | Ingestion                  | Rat           | LD50 > 5,000 mg/kg  |
| Hexane   | Dermal                     | Rabbit        | LD50 > 2,000 mg/kg  |
| Hexane   | Inhalation-Vapor (4 hours) | Rat           | LC50 170 mg/l       |
| Hexane   | Ingestion                  | Rat           | LD50 > 28,700 mg/kg |
| Dimethyl ether   | Inhalation-Gas (4 hours)   | Rat           | LC50 164,000 ppm    |
| Isobutane  | Inhalation-Gas (4 hours)   | Rat           | LC50 276,000 ppm    |
| Propane  | Inhalation-Gas (4 hours)   | Rat           | LC50 > 200,000 ppm  |
| Non-hazardous components (N.J.T.S. Reg no. 4499600-6763) | Dermal                     | Not available | LD50 > 2,000 mg/kg  |
| Non-hazardous components (N.J.T.S. Reg no. 4499600-6763) | Ingestion                  | Not available | LD50 > 2,000 mg/kg  |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Methyl acetate   | Rabbit                 | No significant irritation |
| Hexane   | Human and animal       | Mild irritant             |
| Isobutane  | Professional judgement | No significant irritation |
| Propane  | Rabbit                 | Minimal irritation        |
| Non-hazardous components (N.J.T.S. Reg no. 4499600-6763) | Professional judgement | No significant irritation |

**Serious Eye Damage/Irritation**

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Methyl acetate   | Rabbit                 | Moderate irritant         |
| Hexane   | Rabbit                 | Mild irritant             |
| Isobutane  | Professional judgement | No significant irritation |
| Propane  | Rabbit                 | Mild irritant             |
| Non-hazardous components (N.J.T.S. Reg no. 4499600-6763) | Professional judgement | No significant irritation |

**Skin Sensitization**

| Name   | Species | Value           |
|--|---------|-----------------|
| Methyl acetate   | Human   | Not sensitizing |
| Hexane   | Human   | Not sensitizing |
| Non-hazardous components (N.J.T.S. Reg no. 4499600-6763) |         | Not sensitizing |

**Respiratory Sensitization**

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

**Germ Cell Mutagenicity**



| Name           | Route    | Value         |
|----------------|----------|---------------|
| Methyl acetate | In Vitro | Not mutagenic |
| Methyl acetate | In vivo  | Not mutagenic |
| Hexane         | In Vitro | Not mutagenic |
| Hexane         | In vivo  | Not mutagenic |
| Dimethyl ether | In Vitro | Not mutagenic |
| Dimethyl ether | In vivo  | Not mutagenic |
| Isobutane      | In Vitro | Not mutagenic |
| Propane        | In Vitro | Not mutagenic |

### Carcinogenicity

| Name           | Route      | Species | Value  |
|----------------|------------|---------|--|
| Hexane         | Dermal     | Mouse   | Not carcinogenic   |
| Hexane         | Inhalation | Mouse   | Some positive data exist, but the data are not sufficient for classification |
| Dimethyl ether | Inhalation | Rat     | Not carcinogenic   |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name           | Route      | Value  | Species | Test Result           | Exposure Duration    |
|----------------|------------|--|---------|-----------------------|----------------------|
| Hexane         | Ingestion  | Not toxic to development   | Mouse   | NOAEL 2,200 mg/kg/day | during organogenesis |
| Hexane         | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat     | NOAEL 0.7 mg/l        | during gestation     |
| Hexane         | Ingestion  | Toxic to male reproduction   | Rat     | NOAEL 1,140 mg/kg/day | 90 days              |
| Hexane         | Inhalation | Toxic to male reproduction   | Rat     | LOAEL 3.52 mg/l       | 28 days              |
| Dimethyl ether | Inhalation | Not toxic to female reproduction   | Rat     | NOAEL 25,000 ppm      | 2 years              |
| Dimethyl ether | Inhalation | Not toxic to male reproduction   | Rat     | NOAEL 25,000 ppm      | 2 years              |
| Dimethyl ether | Inhalation | Not toxic to development   | Rat     | NOAEL 40,000 ppm      | during organogenesis |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name           | Route      | Target Organ(s)                   | Value  | Species          | Test Result         | Exposure Duration |
|----------------|------------|-----------------------------------|--|------------------|---------------------|-------------------|
| Methyl acetate | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal | NOAEL Not available |                   |
| Methyl acetate | Inhalation | respiratory irritation            | May cause respiratory irritation   | Human and animal | NOAEL Not available |                   |
| Methyl acetate | Inhalation | blindness                         | Some positive data exist, but the data are not sufficient for classification |                  | NOAEL Not available |                   |
| Methyl acetate | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  |                  | NOAEL Not available |                   |
| Hexane         | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human            | NOAEL Not available | not available     |
| Hexane         | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Rabbit           | NOAEL Not available | 8 hours           |
| Hexane         | Inhalation | respiratory system                | Some positive data exist, but the data are not sufficient for                | Rat              | NOAEL 24.6 mg/l     | 8 hours           |

|                |            |                                   | classification   |                         |                     |            |
|----------------|------------|-----------------------------------|--|-------------------------|---------------------|------------|
| Dimethyl ether | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Rat                     | LOAEL 10,000 ppm    | 30 minutes |
| Dimethyl ether | Inhalation | cardiac sensitization             | Some positive data exist, but the data are not sufficient for classification | Dog                     | NOAEL 100,000 ppm   | 5 minutes  |
| Isobutane      | Inhalation | cardiac sensitization             | Causes damage to organs  | Multiple animal species | NOAEL Not available |            |
| Isobutane      | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal        | NOAEL Not available |            |
| Isobutane      | Inhalation | respiratory irritation            | All data are negative  | Mouse                   | NOAEL Not available |            |
| Propane        | Inhalation | cardiac sensitization             | Causes damage to organs  | Human                   | NOAEL Not available |            |
| Propane        | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                   | NOAEL Not available |            |
| Propane        | Inhalation | respiratory irritation            | All data are negative  | Human                   | NOAEL Not available |            |

**Specific Target Organ Toxicity - repeated exposure**

| Name           | Route      | Target Organ(s)   | Value  | Species | Test Result           | Exposure Duration     |
|----------------|------------|---|--|---------|-----------------------|-----------------------|
| Methyl acetate | Inhalation | respiratory system  | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 1.1 mg/l        | 28 days               |
| Methyl acetate | Inhalation | endocrine system   hematopoietic system   liver   immune system   kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 6.1 mg/l        | 28 days               |
| Hexane         | Inhalation | peripheral nervous system   | Causes damage to organs through prolonged or repeated exposure               | Human   | NOAEL Not available   | occupational exposure |
| Hexane         | Inhalation | respiratory system  | Some positive data exist, but the data are not sufficient for classification | Mouse   | LOAEL 1.76 mg/l       | 13 weeks              |
| Hexane         | Inhalation | liver   | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL Not available   | 6 months              |
| Hexane         | Inhalation | kidney and/or bladder   | Some positive data exist, but the data are not sufficient for classification | Rat     | LOAEL 1.76 mg/l       | 6 months              |
| Hexane         | Inhalation | hematopoietic system  | Some positive data exist, but the data are not sufficient for classification | Mouse   | NOAEL 35.2 mg/l       | 13 weeks              |
| Hexane         | Inhalation | auditory system   immune system   eyes  | Some positive data exist, but the data are not sufficient for classification | Human   | NOAEL Not available   | occupational exposure |
| Hexane         | Inhalation | heart   skin   endocrine system   | All data are negative  | Rat     | NOAEL 1.76 mg/l       | 6 months              |
| Hexane         | Ingestion  | peripheral nervous system   | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 1,140 mg/kg/day | 90 days               |
| Hexane         | Ingestion  | endocrine system   hematopoietic system   liver   immune system   kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL Not available   | 13 weeks              |
| Dimethyl ether | Inhalation | hematopoietic system  | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 25,000 ppm      | 2 years               |
| Dimethyl ether | Inhalation | liver   | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 20,000 ppm      | 30 weeks              |

|           |            |                       |  |     |                    |          |
|-----------|------------|-----------------------|--|-----|--------------------|----------|
| Isobutane | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL<br>4,500 ppm | 13 weeks |
|-----------|------------|-----------------------|--|-----|--------------------|----------|

**Aspiration Hazard**

| Name   | Value             |
|--------|-------------------|
| Hexane | Aspiration hazard |

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. As a disposal alternative, utilize an acceptable permitted waste disposal facility. 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.

**311/312 Hazard Categories:**

Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

**Ingredient**

Hexane

**C.A.S. No**

110-54-3

**% by Wt**

10 - 20

Hexane (Hexane)

110-54-3

10 - 20

## 15.2. State Regulations

Contact 3M for more information.

## 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact 3M for more information.

## 15.4. International Regulations

Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

### NFPA Hazard Classification

**Health: 2 Flammability: 4 Instability: 0 Special Hazards: None**  
**Aerosol Storage Code: 3**

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.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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