



## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 29-4092-2 | <b>Version Number:</b>  | 6.01     |
| <b>Issue Date:</b>     | 04/29/21  | <b>Supersedes Date:</b> | 03/31/21 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Hi-Strength 94 ET Cylinder Spray Adhesive, Red

#### Product Identification Numbers

62-4874-8030-3, 62-4874-8150-9, 62-4874-8300-0  
7100018953, 7010310270

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

##### Recommended use

Adhesive, Industrial use

This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(13)) for consumer paint or coating removal.

#### 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 Liquid: Category 2.  
Serious Eye Damage/Irritation: Category 2B.  
Reproductive Toxicity: Category 1B.  
Carcinogenicity: Category 1B.  
Specific Target Organ Toxicity (single exposure): Category 3.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Flame | Exclamation mark | Health Hazard |

### Pictograms



### Hazard Statements

Highly flammable liquid and vapor.

Causes eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May damage fertility or the unborn child.  
May cause cancer.

### Precautionary Statements

#### 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.  
Ground/bond container and receiving equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Keep container tightly closed.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves and eye/face protection.  
Wash thoroughly after handling.

#### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

#### Storage:

Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.  
Store locked up.

#### Disposal:

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

### 2.3. Hazards not otherwise classified

Repeated exposure may cause skin dryness or cracking.

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

| Ingredient                  | C.A.S. No.    | % by Wt                |
|-----------------------------|---------------|------------------------|
| Methyl Acetate              | 79-20-9       | 60 - 70 Trade Secret * |
| Non-Hazardous Components    | Trade Secret* | 20 - 30 Trade Secret * |
| Hexamethyldisiloxane        | 107-46-0      | 5 - 10 Trade Secret *  |
| Nitrogen                    | 7727-37-9     | <= 3 Trade Secret *    |
| Toluene                     | 108-88-3      | < 1 Trade Secret *     |
| Methylene Chloride          | 75-09-2       | < 0.2 Trade Secret *   |
| TRIS(NONYLPHENYL) PHOSPHITE | 26523-78-4    | < 0.1 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. If you feel unwell, get medical attention.

**Skin Contact:**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. 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**

Irritating to the respiratory tract (coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain). Central nervous system depression (headache, dizziness, drowsiness, incoordination, nausea, slurred speech, giddiness, and unconsciousness).

**4.3. Indication of any immediate medical attention and special treatment required**

Not applicable

**SECTION 5: Fire-fighting measures****5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**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**

Aldehydes  
Hydrocarbons  
Methane  
Carbon monoxide  
Carbon dioxide  
Hydrogen Chloride

**Condition**

During Combustion  
During Combustion  
During Combustion  
During Combustion  
During Combustion  
During Combustion

Ketones  
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. 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

Avoid release to the environment. 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

Contain spill. Cover spill area with a fire-extinguishing foam. 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

For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. 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.) Wear low static or properly grounded shoes. Use personal protective equipment (gloves, respirators, etc.) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. 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                         |
|--------------------|------------|--------|------------------------------|---|
| Toluene            | 108-88-3   | ACGIH  | TWA:20 ppm                   | A4: Not class. as human carcin, Ototoxicant |
| Toluene            | 108-88-3   | OSHA   | TWA:200 ppm;CEIL:300 ppm     |   |
| Methylene Chloride | 75-09-2    | ACGIH  | TWA:50 ppm                   | A3: Confirmed animal carcin.                |
| Methylene Chloride | 75-09-2    | OSHA   | TWA:25 ppm;STEL:125 ppm      | 29 CFR 1910.1052, SKIN                      |
| Nitrogen           | 7727-37-9  | ACGIH  | Limit value not established: | simple asphyxiant                           |
| 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

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. Use explosion-proof ventilation 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: Polyvinyl Alcohol (PVA)

#### 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 air-purifying respirator suitable for organic vapors and particulates

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****Appearance**

Physical state  
Color

Liquid cylinder  
Pink-Red

**Odor**

Solvent

**Odor threshold**

*No Data Available*

**pH**

*No Data Available*

**Melting point**

*Not Applicable*

**Boiling Point**

140 °F

**Flash Point**

< 8 °F [*Test Method: Closed Cup*]

**Evaporation rate**

> 1 [*Details: >1*]

**Flammability (solid, gas)**

Not Applicable

**Flammable Limits(LEL)**

3.1 %

**Flammable Limits(UEL)**

16 %

**Vapor Pressure**

240 psi [*@ 70 °F*]

**Vapor Density**

> 1 [*Ref Std: AIR=1*]

**Density**

0.945 g/ml

**Specific Gravity**

0.945 [*Ref Std: WATER=1*]

**Solubility in Water**

Nil

**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**

*No Data Available*

**Hazardous Air Pollutants**

<=0.07 % weight [*Test Method: Calculated*]

**Molecular weight**

*Not Applicable*

**VOC Less H<sub>2</sub>O & Exempt Solvents**

<=80 g/l [*Test Method: calculated SCAQMD rule 443.1*]

**Solids Content**

20 - 30 % weight

**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**

Sparks and/or flames

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products****Substance****Condition**

None known.

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:

May be harmful if inhaled.

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. May cause additional health effects (see below).

#### 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.

#### Reproductive/Developmental Toxicity:

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

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

| Ingredient         | CAS No. | Class Description             | Regulation                                  |
|--------------------|---------|-------------------------------|---|
| Methylene Chloride | 75-09-2 | Grp. 2A: Probable human carc. | International Agency for Research on Cancer |
| Methylene Chloride | 75-09-2 | Anticipated human carcinogen  | National Toxicology Program Carcinogens     |
| Methylene Chloride | 75-09-2 | Cancer hazard                 | OSHA Carcinogens                            |

#### 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 | Inhalation- |         | No data available; calculated ATE20 - 50 mg/l |

|                             |                            |               |  |
|-----------------------------|----------------------------|---------------|--|
|                             | Vapor(4 hr)                |               |  |
| Overall product             | Ingestion                  |               | No data available; calculated ATE >5,000 mg/kg |
| Methyl Acetate              | Dermal                     | Rat           | LD50 > 2,000 mg/kg                             |
| Methyl Acetate              | Inhalation-Vapor (4 hours) | Rat           | LC50 > 49 mg/l                                 |
| Methyl Acetate              | Ingestion                  | Rat           | LD50 > 5,000 mg/kg                             |
| Non-Hazardous Components    | Dermal                     | Not available | LD50 > 2,000 mg/kg                             |
| Non-Hazardous Components    | Ingestion                  | Not available | LD50 > 2,000 mg/kg                             |
| Hexamethyldisiloxane        | Dermal                     | Rabbit        | LD50 > 2,000 mg/kg                             |
| Hexamethyldisiloxane        | Inhalation-Vapor (4 hours) | Rat           | LC50 106 mg/l                                  |
| Hexamethyldisiloxane        | Ingestion                  | Rat           | LD50 > 5,000 mg/kg                             |
| Nitrogen                    | Dermal                     |               | LD50 estimated to be > 5,000 mg/kg             |
| Nitrogen                    | Inhalation-Gas             |               | LC50 estimated to be > 50,000 ppm              |
| Nitrogen                    | Ingestion                  |               | LD50 estimated to be > 5,000 mg/kg             |
| Toluene                     | Dermal                     | Rat           | LD50 12,000 mg/kg                              |
| Toluene                     | Inhalation-Vapor (4 hours) | Rat           | LC50 30 mg/l                                   |
| Toluene                     | Ingestion                  | Rat           | LD50 5,550 mg/kg                               |
| Methylene Chloride          | Dermal                     | Rat           | LD50 > 2,000 mg/kg                             |
| Methylene Chloride          | Inhalation-Vapor (4 hours) | Rat           | LC50 63.7 mg/l                                 |
| Methylene Chloride          | Ingestion                  | Rat           | LD50 1,410 mg/kg                               |
| TRIS(NONYLPHENYL) PHOSPHITE | Dermal                     | Rabbit        | LD50 > 2,000 mg/kg                             |
| TRIS(NONYLPHENYL) PHOSPHITE | Ingestion                  | Rat           | LD50 19,500 mg/kg                              |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                        | Species                | Value                     |
|-----------------------------|------------------------|---------------------------|
| Methyl Acetate              | Rabbit                 | No significant irritation |
| Non-Hazardous Components    | Professional judgement | No significant irritation |
| Hexamethyldisiloxane        | Rabbit                 | No significant irritation |
| Nitrogen                    | Professional judgement | No significant irritation |
| Toluene                     | Rabbit                 | Irritant                  |
| Methylene Chloride          | Rabbit                 | Irritant                  |
| TRIS(NONYLPHENYL) PHOSPHITE | Rabbit                 | No significant irritation |

### Serious Eye Damage/Irritation

| Name                     | Species                | Value                     |
|--------------------------|------------------------|---------------------------|
| Methyl Acetate           | Rabbit                 | Moderate irritant         |
| Non-Hazardous Components | Professional judgement | No significant irritation |
| Hexamethyldisiloxane     | Rabbit                 | Mild irritant             |
| Nitrogen                 | Professional judgement | No significant irritation |



|                             |        |                           |
|-----------------------------|--------|---------------------------|
| Toluene                     | Rabbit | Moderate irritant         |
| Methylene Chloride          | Rabbit | Severe irritant           |
| TRIS(NONYLPHENYL) PHOSPHITE | Rabbit | No significant irritation |

### Skin Sensitization

| Name                        | Species    | Value          |
|-----------------------------|------------|----------------|
| Methyl Acetate              | Human      | Not classified |
| Non-Hazardous Components    |            | Not classified |
| Hexamethyldisiloxane        | Guinea pig | Not classified |
| Toluene                     | Guinea pig | Not classified |
| TRIS(NONYLPHENYL) PHOSPHITE | Guinea pig | 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  |
| Hexamethyldisiloxane        | In Vitro | Not mutagenic  |
| Hexamethyldisiloxane        | In vivo  | Not mutagenic  |
| Toluene                     | In Vitro | Not mutagenic  |
| Toluene                     | In vivo  | Not mutagenic  |
| Methylene Chloride          | In vivo  | Not mutagenic  |
| Methylene Chloride          | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| TRIS(NONYLPHENYL) PHOSPHITE | In Vitro | Not mutagenic  |

### Carcinogenicity

| Name                        | Route      | Species                 | Value  |
|-----------------------------|------------|-------------------------|--|
| Hexamethyldisiloxane        | Inhalation | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Toluene                     | Dermal     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Toluene                     | Ingestion  | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Toluene                     | Inhalation | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Methylene Chloride          | Inhalation | Multiple animal species | Carcinogenic   |
| TRIS(NONYLPHENYL) PHOSPHITE | Ingestion  | Rat                     | Not carcinogenic   |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                 | Route      | Value                                  | Species | Test Result         | Exposure Duration      |
|----------------------|------------|--|---------|---------------------|------------------------|
| Hexamethyldisiloxane | Inhalation | Not classified for male reproduction   | Rat     | NOAEL 33 mg/l       | 13 weeks               |
| Toluene              | Inhalation | Not classified for female reproduction | Human   | NOAEL Not available | occupational exposure  |
| Toluene              | Inhalation | Not classified for male reproduction   | Rat     | NOAEL 2.3 mg/l      | 1 generation           |
| Toluene              | Ingestion  | Toxic to development                   | Rat     | LOAEL 520 mg/kg/day | during gestation       |
| Toluene              | Inhalation | Toxic to development                   | Human   | NOAEL Not available | poisoning and/or abuse |
| Methylene Chloride   | Inhalation | Not classified for female reproduction | Rat     | NOAEL 5.2           | 2 generation           |

|                             |            |  |                         | mg/l                  |                  |
|-----------------------------|------------|--|-------------------------|-----------------------|------------------|
| Methylene Chloride          | Inhalation | Not classified for male reproduction   | Rat                     | NOAEL 5.2 mg/l        | 2 generation     |
| Methylene Chloride          | Inhalation | Not classified for development         | Multiple animal species | NOAEL 4.3 mg/l        | during gestation |
| TRIS(NONYLPHENYL) PHOSPHITE | Ingestion  | Not classified for development         | Rat                     | NOAEL 1,000 mg/kg/day | 1 generation     |
| TRIS(NONYLPHENYL) PHOSPHITE | Ingestion  | Not classified for female reproduction | Rat                     | NOAEL 200 mg/kg/day   | 1 generation     |
| TRIS(NONYLPHENYL) PHOSPHITE | Ingestion  | Not classified for male reproduction   | Rat                     | NOAEL 1,000 mg/kg/day | 1 generation     |

### 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                         | Not classified   |                  | NOAEL Not available |                        |
| Methyl Acetate       | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  |                  | NOAEL Not available |                        |
| Hexamethyldisiloxane | Inhalation | respiratory irritation            | Not classified   | Rat              | NOAEL 33 mg/l       | 6 hours                |
| Hexamethyldisiloxane | Ingestion  | central nervous system depression | Not classified   | Guinea pig       | LOAEL 22,900 mg/kg  | not applicable         |
| Toluene              | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human            | NOAEL Not available |                        |
| Toluene              | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human            | NOAEL Not available |                        |
| Toluene              | Inhalation | immune system                     | Not classified   | Mouse            | NOAEL 0.004 mg/l    | 3 hours                |
| Toluene              | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Human            | NOAEL Not available | poisoning and/or abuse |
| Methylene Chloride   | Dermal     | blood                             | Some positive data exist, but the data are not sufficient for classification | Rat              | NOAEL Not available | 4 hours                |
| Methylene Chloride   | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human            | NOAEL Not available | occupational exposure  |
| Methylene Chloride   | Inhalation | blood                             | Some positive data exist, but the data are not sufficient for classification | Human            | NOAEL Not available |                        |
| Methylene Chloride   | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |                  | 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 | Not classified   | Rat     | NOAEL 6.1 mg/l | 28 days           |
| Hexamethyldisiloxane | Dermal     | liver   kidney and/or   | Not classified   | Rat     | NOAEL          | 28 days           |

|                      |            |  |  |                         |                       |                        |
|----------------------|------------|--|--|-------------------------|-----------------------|------------------------|
|                      |            | bladder  |  |                         | 1,000 mg/kg/day       |                        |
| Hexamethyldisiloxane | Inhalation | kidney and/or bladder  | Not classified   | Rat                     | NOAEL 4 mg/l          | 13 weeks               |
| Hexamethyldisiloxane | Inhalation | hematopoietic system   | Not classified   | Rat                     | NOAEL 33 mg/l         | 13 weeks               |
| Hexamethyldisiloxane | Inhalation | liver  | Not classified   | Multiple animal species | NOAEL 29 mg/l         | 15 days                |
| Hexamethyldisiloxane | Inhalation | heart   endocrine system   immune system   nervous system   respiratory system | Not classified   | Rat                     | NOAEL 33 mg/l         | 13 weeks               |
| Toluene              | Inhalation | auditory system   eyes   olfactory system                                      | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available   | poisoning and/or abuse |
| Toluene              | Inhalation | nervous system   | May cause damage to organs through prolonged or repeated exposure            | Human                   | NOAEL Not available   | poisoning and/or abuse |
| Toluene              | Inhalation | respiratory system   | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 2.3 mg/l        | 15 months              |
| Toluene              | Inhalation | heart   liver   kidney and/or bladder  | Not classified   | Rat                     | NOAEL 11.3 mg/l       | 15 weeks               |
| Toluene              | Inhalation | endocrine system   | Not classified   | Rat                     | NOAEL 1.1 mg/l        | 4 weeks                |
| Toluene              | Inhalation | immune system  | Not classified   | Mouse                   | NOAEL Not available   | 20 days                |
| Toluene              | Inhalation | bone, teeth, nails, and/or hair  | Not classified   | Mouse                   | NOAEL 1.1 mg/l        | 8 weeks                |
| Toluene              | Inhalation | hematopoietic system   vascular system   | Not classified   | Human                   | NOAEL Not available   | occupational exposure  |
| Toluene              | Inhalation | gastrointestinal tract   | Not classified   | Multiple animal species | NOAEL 11.3 mg/l       | 15 weeks               |
| Toluene              | Ingestion  | nervous system   | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 625 mg/kg/day   | 13 weeks               |
| Toluene              | Ingestion  | heart  | Not classified   | Rat                     | NOAEL 2,500 mg/kg/day | 13 weeks               |
| Toluene              | Ingestion  | liver   kidney and/or bladder  | Not classified   | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks               |
| Toluene              | Ingestion  | hematopoietic system   | Not classified   | Mouse                   | NOAEL 600 mg/kg/day   | 14 days                |
| Toluene              | Ingestion  | endocrine system   | Not classified   | Mouse                   | NOAEL 105 mg/kg/day   | 28 days                |
| Toluene              | Ingestion  | immune system  | Not classified   | Mouse                   | NOAEL 105 mg/kg/day   | 4 weeks                |
| Methylene Chloride   | Inhalation | kidney and/or bladder  | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 6.95 mg/l       | 2 years                |
| Methylene Chloride   | Inhalation | liver  | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 0.17 mg/l       | 2 years                |
| Methylene Chloride   | Inhalation | respiratory system   | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | LOAEL 35 mg/l         | 8 weeks                |
| Methylene Chloride   | Inhalation | heart  | Not classified   | Human                   | NOAEL Not available   |                        |
| Methylene Chloride   | Inhalation | immune system  | Not classified   | Rat                     | NOAEL 18 mg/l         | 28 days                |
| Methylene Chloride   | Ingestion  | liver  | Some positive data exist, but the data are not sufficient for                | Rat                     | LOAEL 1,200           | 3 months               |

|                                |           |                          | classification |     | mg/kg/day                   |              |
|--------------------------------|-----------|--------------------------|----------------|-----|-----------------------------|--------------|
| Methylene Chloride             | Ingestion | blood                    | Not classified | Rat | NOAEL 249<br>mg/kg/day      | 2 years      |
| Methylene Chloride             | Ingestion | kidney and/or<br>bladder | Not classified | Rat | NOAEL<br>1,469<br>mg/kg/day | 3 months     |
| Methylene Chloride             | Ingestion | eyes                     | Not classified | Rat | NOAEL 249<br>mg/kg/day      | 104 weeks    |
| TRIS(NONYLPHENYL)<br>PHOSPHITE | Ingestion | liver                    | Not classified | Rat | NOAEL 500<br>mg/kg/day      | 2 years      |
| TRIS(NONYLPHENYL)<br>PHOSPHITE | Ingestion | kidney and/or<br>bladder | Not classified | Rat | NOAEL 200<br>mg/kg/day      | 1 generation |
| TRIS(NONYLPHENYL)<br>PHOSPHITE | Ingestion | respiratory system       | Not classified | Rat | NOAEL 500<br>mg/kg/day      | 2 years      |

**Aspiration Hazard**

| Name    | Value             |
|---------|-------------------|
| Toluene | 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. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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.

**EPCRA 311/312 Hazard Classifications:**

**Physical Hazards**

Flammable (gases, aerosols, liquids, or solids)

**Health Hazards**

Carcinogenicity

Hazard Not Otherwise Classified (HNOC)

Reproductive toxicity

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

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

| <u>Ingredient</u>  | <u>C.A.S. No</u> | <u>% by Wt</u>     |
|--------------------|------------------|--------------------|
| Methylene Chloride | 75-09-2          | Trade Secret < 0.2 |

**This material contains a chemical which requires export notification under TSCA Section 12[b]:**

| <u>Ingredient (Category if applicable)</u> | <u>C.A.S. No</u> | <u>Regulation</u>   | <u>Status</u> |
|--|------------------|---|---------------|
| Methylene Chloride                         | 75-09-2          | Toxic Substances Control Act (TSCA) 6<br>Banned or Restricted Use Chemicals | Applicable    |

**Additional TSCA Information**

| <u>Components</u>  | <u>CAS No</u> | <u>Additional Information</u>   |
|--------------------|---------------|---|
| Methylene Chloride | 75-09-2       | This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal. |

**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. All required components of this product are listed on the active portion of the TSCA Inventory.

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: 3 Instability: 0 Special Hazards: None**

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.

**Document Group:** 29-4092-2  
**Issue Date:** 04/29/21

**Version Number:** 6.01  
**Supersedes Date:** 03/31/21

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