Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier
3M™ Super Strength Adhesive, 6004   6003A, 6004

Product Identification Numbers
70-0713-6915-4, 70-0714-8988-7

1.2. Recommended use and restrictions on use

Recommended use
Adhesive

1.3. Supplier’s details
MANUFACTURER: 3M
DIVISION: Construction and Home Improvement Markets
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

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

2.1. Hazard classification
Flammable Liquid: Category 2.
Serious Eye Damage/Irritation: Category 2A.
Skin Sensitizer: Category 1.
Carcinogenicity: Category 2.
Specific Target Organ Toxicity (central nervous system): Category 3.

2.2. Label elements
Signal word
Danger

Symbols
Flame | Exclamation mark | Health Hazard |
Pictograms

Hazard Statements
Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Suspected of causing cancer.

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.
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.
Contaminated work clothing must not be allowed out of the workplace.

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 skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
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
None.

21% of the mixture consists of ingredients of unknown acute oral toxicity.

21% 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>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>40 - 70 %</td>
</tr>
<tr>
<td>Thermoplastic Polyurethane</td>
<td>Trade Secret*</td>
<td>15 - 40 %</td>
</tr>
<tr>
<td>Vinyl Copolymer</td>
<td>9005-09-8</td>
<td>15 - 40 %</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>108-05-4</td>
<td>&lt; 0.5 %</td>
</tr>
<tr>
<td>4,4'-Isopropylidenephenol-Epichlorohydrin Polymer</td>
<td>25068-38-6</td>
<td>&lt; 0.5 %</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. 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:**
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
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**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aldehydes</td>
<td>During Combustion</td>
</tr>
<tr>
<td>Hydrocarbons</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.

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. 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
Contain spill. 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. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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

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.

Vinyl Acetate 108-05-4 CMRG TWA:5 ppm

Methyl Ethyl Ketone 78-93-3 ACGIH TWA:200 ppm; STEL:300 ppm

Methyl Ethyl Ketone 78-93-3 OSHA TWA:590 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: Butyl Rubber
Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Butyl rubber
Apron - polymer laminate

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

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: Viscous
Odor, Color, Grade: Clear, ketone odor
Odor threshold: No Data Available
pH: Not Applicable
Melting point: No Data Available
Boiling Point: 176 ºF
Flash Point: 20 ºF [Test Method: Tagliabue Closed Cup]
Evaporation rate: No Data Available
Flammability (solid, gas): Not Applicable
Flammable Limits(LEL): 1.8 % volume
Flammable Limits(UEL): 11.5 % volume
Vapor Pressure: 80 mmHg [@ 68 ºF]
Vapor Density: No Data Available
Density: 0.95 g/cm³
Specific Gravity: 0.95
Solubility In Water: No Data Available
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: 8,500 centipoise
Average particle size: No Data Available
Bulk density: No Data Available
Hazardous Air Pollutants: No Data Available
Molecular weight: No Data Available
Volatile Organic Compounds: <=60 %
Volatile Organic Compounds: 555 g/l
Percent volatile: No Data Available
Softening point: No Data Available
VOC Less H2O & Exempt Solvents: 556 g/l

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
No Data Available

10.6. Hazardous decomposition products
<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known.</td>
<td>None known.</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:**
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:**
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**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.

**Carcinogenicity:**
Contains a chemical or chemicals which can cause cancer.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Class Description</th>
<th>Regulation</th>
</tr>
</thead>
</table>

**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>Inhalation-</td>
<td>No data available; calculated ATE 20 - 50 mg/l</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Species</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>------------------</td>
<td>------------------------</td>
<td></td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Rabbit</td>
<td>Minimal irritation</td>
<td></td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Rabbit</td>
<td>Mild irritant</td>
<td></td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Rabbit</td>
<td>Minimal irritation</td>
<td></td>
</tr>
<tr>
<td>Serious Eye Damage/Irritation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Rabbit</td>
<td>Severe irritant</td>
<td></td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Rabbit</td>
<td>Moderate irritant</td>
<td></td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Rabbit</td>
<td>Mild irritant</td>
<td></td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Human and animal</td>
<td>Sensitizing</td>
<td></td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Guinea pig</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td></td>
</tr>
<tr>
<td>Respiratory Sensitization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Human</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td></td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
<td></td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>In vivo</td>
<td>Not mutagenic</td>
<td></td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>In Vitro</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td></td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>In Vitro</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td></td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>In vivo</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Inhalation</td>
<td>Not carcinogenic</td>
<td></td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Dermal</td>
<td>Mouse</td>
<td></td>
</tr>
</tbody>
</table>

ATE = acute toxicity estimate
### 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>Methyl Ethyl Ketone</td>
<td>Inhalation</td>
<td>Not toxic to female reproduction</td>
<td>Rat</td>
<td>NOAEL 14.7 mg/l</td>
<td>90 days</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Inhalation</td>
<td>Not toxic to male reproduction</td>
<td>Rat</td>
<td>NOAEL 14.7 mg/l</td>
<td>90 days</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Inhalation</td>
<td>Some positive developmental data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>LOAEL 8.8 mg/l</td>
<td>during gestation</td>
</tr>
<tr>
<td>4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Ingestion</td>
<td>Not toxic to female reproduction</td>
<td>Rat</td>
<td>NOAEL 750 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Ingestion</td>
<td>Not toxic to male reproduction</td>
<td>Rat</td>
<td>NOAEL 750 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Dermal</td>
<td>Not toxic to development</td>
<td>Rabbit</td>
<td>NOAEL 300 mg/kg/day</td>
<td>during organogenesis</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>Not toxic to female reproduction</td>
<td>Mouse</td>
<td>NOAEL 3.5 mg/l</td>
<td>3 months</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>Not toxic to male reproduction</td>
<td>Mouse</td>
<td>NOAEL 3.5 mg/l</td>
<td>3 months</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>Some positive female reproductive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 140 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>Some positive male reproductive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 140 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>Some positive developmental data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 700 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>Some positive developmental data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 0.7 mg/l</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>Methyl Ethyl Ketone</td>
<td>Inhalation</td>
<td>central nervous system depression</td>
<td>May cause drowsiness or dizziness</td>
<td>official classification</td>
<td>NOAEL, Not available</td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</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>Methyl Ethyl Ketone</td>
<td>Ingestion</td>
<td>liver</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL, Not available</td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Ingestion</td>
<td>kidney and/or bladder</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>LOAEL 1,080 mg/kg</td>
<td>not applicable</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>May cause respiratory irritation</td>
<td>Human and animal</td>
<td>NOAEL, Not available</td>
<td></td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>central nervous system depression</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td></td>
<td>NOAEL, Not available</td>
<td></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>Methyl Ethyl Ketone</td>
<td>Dermal</td>
<td>nervous system</td>
<td>All data are negative</td>
<td>Guinea pig</td>
<td>NOAEL, Not available</td>
<td>31 weeks</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Inhalation</td>
<td>liver</td>
<td>kidney and/or bladder</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 14.7 mg/l</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Inhalation</td>
<td>heart</td>
<td>endocrine system</td>
<td>bone, teeth, nails, and/or hair</td>
<td>hematopoietic system</td>
<td>immune system</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Ingestion</td>
<td>liver</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL, Not available</td>
<td>7 days</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>Ingestion</td>
<td>nervous system</td>
<td>All data are negative</td>
<td>Rat</td>
<td>NOAEL 173 mg/kg/day</td>
<td>90 days</td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Dermal</td>
<td>liver</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 1,000 mg/kg/day</td>
<td>2 years</td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Dermal</td>
<td>nervous system</td>
<td>All data are negative</td>
<td>Rat</td>
<td>NOAEL 1,000 mg/kg/day</td>
<td>13 weeks</td>
</tr>
<tr>
<td>4,4’-Isopropylidenediphenol-Epichlorohydrin Polymer</td>
<td>Ingestion</td>
<td>auditory system</td>
<td>heart</td>
<td>endocrine system</td>
<td>hematopoietic system</td>
<td>liver</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>respiratory system</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Multiple animal species</td>
<td>NOAEL 0.2 mg/l</td>
<td>104 weeks</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>heart</td>
<td>hematopoietic system</td>
<td>liver</td>
<td>kidney and/or bladder</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>endocrine system</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 0.07 mg/l</td>
<td>120 days</td>
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<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>immune system</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Multiple animal species</td>
<td>NOAEL 3.5 mg/l</td>
<td>3 months</td>
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<tr>
<td>Vinyl Acetate</td>
<td>Inhalation</td>
<td>nervous system</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Multiple animal species</td>
<td>NOAEL 2.1 mg/l</td>
<td>104 weeks</td>
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<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>liver</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>LOAEL 684 mg/kg/day</td>
<td>3 months</td>
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<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>hematopoietic system</td>
<td>nervous system</td>
<td>kidney</td>
<td>and/or bladder</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>immune system</td>
<td>respiratory system</td>
<td></td>
<td></td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
<tr>
<td>Vinyl Acetate</td>
<td>Ingestion</td>
<td>heart</td>
<td>All data are negative</td>
<td>Rat</td>
<td>NOAEL 235 mg/kg/day</td>
<td>104 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 uncured product in a permitted waste incineration facility. Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste. 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), D035 (Methyl ethyl ketone)

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 - No 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):

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No</th>
<th>% by Wt</th>
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<tr>
<td>Vinyl Acetate</td>
<td>108-05-4</td>
<td>&lt; 0.5</td>
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</table>

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

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<th>Document Group:</th>
<th>20-4379-2</th>
<th>Version Number:</th>
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<td>05/29/15</td>
<td>Supercedes Date:</td>
<td>11/12/12</td>
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</table>

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