



## Safety Data Sheet

Copyright, 2018, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 19-7698-4 | <b>Version Number:</b>  | 6.01     |
| <b>Issue Date:</b>     | 01/04/18  | <b>Supersedes Date:</b> | 12/08/15 |

### SECTION 1: Identification

#### 1.1. Product identifier

Cleaning Cloth Soaked with Isopropyl Alcohol

#### Product Identification Numbers

DE-9999-6531-7, DE-9999-6532-5, DE-9999-6533-3, DE-9999-6534-1, DE-9999-6535-8, DE-9999-6536-6, DE-9999-6537-4, DE-9999-6538-2, DE-9999-6539-0, DE-9999-6540-8, DE-9999-6541-6, DE-9999-6542-4, DE-9999-6543-2, DE-9999-6544-0, DE-9999-6565-5, DE-9999-6566-3, DE-9999-6567-1, DE-9999-6568-9, DE-9999-6569-7, DE-9999-6570-5, DE-9999-6571-3, DE-9999-6572-1, DE-9999-6573-9, DE-9999-6574-7, DE-9999-6575-4

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

##### Recommended use

Cleaning Pad

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Electrical Markets 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 2A.

Specific Target Organ Toxicity (single exposure): Category 3.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Flame | Exclamation mark |

**Pictograms**



**Hazard Statements**

Highly flammable liquid and vapor.

Causes serious eye irritation.  
May cause drowsiness or dizziness.

**Precautionary Statements**

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Avoid breathing vapors.  
Use only in a well-ventilated area.  
Wear protective gloves and eye/face protection.

**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.  
Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage:**

Store in a well-ventilated place.

**Disposal:**

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

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

| Ingredient        | C.A.S. No. | % by Wt                |
|-------------------|------------|------------------------|
| ISOPROPYL ALCOHOL | 67-63-0    | 40 - 50 Trade Secret * |
| CELLULOSE PAPER   | None       | 30 - 40                |
| WATER             | 7732-18-5  | 20 - 30                |

\*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**

None inherent in this product.

**Hazardous Decomposition or By-Products**

Substance

Carbon monoxide  
Carbon dioxide  
Irritant Vapors or Gases

Condition

During Combustion  
During Combustion  
During Combustion

**5.3. Special protective actions for fire-fighters**

No special protective actions for fire-fighters are anticipated.

**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.

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

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. 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 or professional use only. 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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. 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 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            |
|-------------------|------------|--------|--------------------------|--------------------------------|
| ISOPROPYL ALCOHOL | 67-63-0    | ACGIH  | TWA:200 ppm;STEL:400 ppm | A4: Not class. as human carcin |
| ISOPROPYL ALCOHOL | 67-63-0    | OSHA   | TWA:980 mg/m3(400 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  
 Fluoroelastomer  
 Nitrile Rubber

**Respiratory protection**

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

Half facepiece or full facepiece 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

|  |                                     |
|--|-------------------------------------|
| <b>General Physical Form:</b>                        | Solid                               |
| <b>Specific Physical Form:</b>                       | Cloth pad with liquid absorbed into |
| <b>Odor, Color, Grade:</b>                           | Transparent                         |
| <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>Boiling Point</b>                                 | > 83 °C                             |
| <b>Flash Point</b>                                   | < 21 °C                             |
| <b>Evaporation rate</b>                              | <i>No Data Available</i>            |
| <b>Flammability (solid, gas)</b>                     | Not Classified                      |
| <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>                                 | <i>No Data Available</i>            |
| <b>Density</b>                                       | 0.88 g/cm <sup>3</sup>              |
| <b>Specific Gravity</b>                              | 0.88 [Ref Std: WATER=1]             |
| <b>Solubility in Water</b>                           | Complete                            |
| <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>No Data Available</i>            |
| <b>Volatile Organic Compounds</b>                    | <i>No Data Available</i>            |
| <b>VOC Less H<sub>2</sub>O &amp; Exempt Solvents</b> | <i>No Data Available</i>            |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat  
Sparks and/or flames

### 10.5. Incompatible materials

Combustibles  
Strong oxidizing agents  
Strong acids

**10.6. Hazardous decomposition products**

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| 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:**

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:**

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

**Eye Contact:**

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

**Ingestion:**

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.

**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 |
| ISOPROPYL ALCOHOL | Dermal                     | Rabbit | LD50 12,870 mg/kg                              |
| ISOPROPYL ALCOHOL | Inhalation-Vapor (4 hours) | Rat    | LC50 72.6 mg/l                                 |
| ISOPROPYL ALCOHOL | Ingestion                  | Rat    | LD50 4,710 mg/kg                               |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name              | Species                 | Value                     |
|-------------------|-------------------------|---------------------------|
| ISOPROPYL ALCOHOL | Multiple animal species | No significant irritation |

**Serious Eye Damage/Irritation**

| Name              | Species | Value           |
|-------------------|---------|-----------------|
| ISOPROPYL ALCOHOL | Rabbit  | Severe irritant |

**Skin Sensitization**

| Name              | Species    | Value          |
|-------------------|------------|----------------|
| ISOPROPYL ALCOHOL | Guinea pig | Not classified |

**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         |
|-------------------|----------|---------------|
| ISOPROPYL ALCOHOL | In Vitro | Not mutagenic |
| ISOPROPYL ALCOHOL | In vivo  | Not mutagenic |

**Carcinogenicity**

| Name              | Route      | Species | Value  |
|-------------------|------------|---------|--|
| ISOPROPYL ALCOHOL | Inhalation | Rat     | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name              | Route      | Value                          | Species | Test Result         | Exposure Duration    |
|-------------------|------------|--------------------------------|---------|---------------------|----------------------|
| ISOPROPYL ALCOHOL | Ingestion  | Not classified for development | Rat     | NOAEL 400 mg/kg/day | during organogenesis |
| ISOPROPYL ALCOHOL | Inhalation | Not classified for development | Rat     | LOAEL 9 mg/l        | during gestation     |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name              | Route      | Target Organ(s)                   | Value  | Species | Test Result         | Exposure Duration |
|-------------------|------------|-----------------------------------|--|---------|---------------------|-------------------|
| ISOPROPYL ALCOHOL | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human   | NOAEL Not available |                   |
| ISOPROPYL ALCOHOL | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human   | NOAEL Not available |                   |

|                   |            |                                   |                                   |            |                     |                        |
|-------------------|------------|-----------------------------------|-----------------------------------|------------|---------------------|------------------------|
| ISOPROPYL ALCOHOL | Inhalation | auditory system                   | Not classified                    | Guinea pig | NOAEL 13.4 mg/l     | 24 hours               |
| ISOPROPYL ALCOHOL | Ingestion  | central nervous system depression | May cause drowsiness or dizziness | Human      | NOAEL Not available | poisoning and/or abuse |

**Specific Target Organ Toxicity - repeated exposure**

| Name              | Route      | Target Organ(s)       | Value          | Species | Test Result         | Exposure Duration |
|-------------------|------------|-----------------------|----------------|---------|---------------------|-------------------|
| ISOPROPYL ALCOHOL | Inhalation | kidney and/or bladder | Not classified | Rat     | NOAEL 12.3 mg/l     | 24 months         |
| ISOPROPYL ALCOHOL | Inhalation | nervous system        | Not classified | Rat     | NOAEL 12 mg/l       | 13 weeks          |
| ISOPROPYL ALCOHOL | Ingestion  | kidney and/or bladder | Not classified | Rat     | NOAEL 400 mg/kg/day | 12 weeks          |

**Aspiration Hazard**

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

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

**SECTION 12: Ecological information**

**Ecotoxicological information**

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

**Chemical fate information**

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

**SECTION 13: Disposal considerations**

**13.1. Disposal methods**

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

Incinerate in a permitted waste incineration facility. 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**

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

**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: 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:** 19-7698-4 **Version Number:** 6.01  
**Issue Date:** 01/04/18 **Supersedes Date:** 12/08/15

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

3M USA SDSs are available at [www.3M.com](http://www.3M.com)