# Safety Data Sheet

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| **Issue Date:** | 02/18/25 | **Supercedes Date:** | 06/02/20 |

## SECTION 1: Identification

**1.1. Product identifier**
3M BRAND 504 RESPIRATOR CLEANING WIPE

**Product Identification Numbers**
70-0703-1713-9, 70-0716-5104-9, XE-1015-0194-0
7000001938, 7000140961

**1.2. Recommended use and restrictions on use**

**Recommended use**
Cleaning respirators.

**1.3. Supplier's details**

| | |
|---|---|
| **MANUFACTURER:** | 3M |
| **DIVISION:** | Personal Safety Division |
| **ADDRESS:** | 3M Center, St. Paul, MN 55144-1000, USA |
| **Telephone:** | 1-888-3M HELPS (1-888-364-3577) |

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

## SECTION 2: Hazard identification

**2.1. Hazard classification**
Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**2.2. Label elements**
**Signal word**
Not applicable.

**Symbols**
Not applicable.

**Pictograms**
Not applicable.

## SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---|---|
| WATER | 7732-18-5 | 50 - 70 |
| CELLULOSE | 9004-34-6 | 30 - 50 |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | 68424-85-1 | 0.1 - 1 Trade Secret * |
| C9-11 ETHOXYLATED ALCOHOLS | 68439-46-3 | 0.1 - 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:**
If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye Contact:**
No need for first aid is anticipated. 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**
No critical symptoms or effects. 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 ordinary combustible material such as water or foam to extinguish.

**5.2. Special hazards arising from the substance or mixture**
None inherent in this product.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |

**5.3. Special protective actions for fire-fighters**
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**
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. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate

level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

**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. Place in a closed 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/occupational use only. Not for consumer sale or use. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Avoid release to the environment.

**7.2. Conditions for safe storage including any incompatibilities**
No special storage requirements.

## 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 |
|---|---|---|---|---|
| CELLULOSE | 9004-34-6 | ACGIH | TWA:10 mg/m3 | |
| CELLULOSE | 9004-34-6 | OSHA | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3 | |

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**
No engineering controls required.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**
None required.

**Skin/hand protection**
No chemical protective gloves are required.

**Respiratory protection**
None required.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | |
| **Physical state** | Solid moist |
| **Color** | White |
| **Specific Physical Form:** | Non-Woven Material |
| **Odor** | Odorless |
| **Odor threshold** | *No Data Available* |
| **pH** | 5.75 - 6.75 [*Details:*CONDITIONS: Excluding towelette] |
| **Melting point** | *Not Applicable* |
| **Boiling Point** | Approximately 212 ºF [*Details:*CONDITIONS: Excluding towelette] |
| **Flash Point** | No flash point |
| **Evaporation rate** | 0.33 [*Ref Std:*BUOAC=1] [*Details:*Excluding Towlette] |
| **Flammability (solid, gas)** | Not Classified |
| **Flammable Limits(LEL)** | *Not Applicable* |
| **Flammable Limits(UEL)** | *Not Applicable* |
| **Vapor Pressure** | Approximately 17.54 mmHg [@ 20 ºC] [*Details:*Excluding Towlette] |
| **Vapor Density** | *No Data Available* |
| **Density** | 1.0 g/ml [*Details:*Excluding Towlette] |
| **Specific Gravity** | Approximately 1 [*Ref Std:*WATER=1] [*Details:*CONDITIONS: Excluding towelette] |
| **Solubility in Water** | Complete |
| **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* |
| **Molecular weight** | *No Data Available* |
| **Volatile Organic Compounds** | *No Data Available* |
| **Percent volatile** | Approximately 100 % [*Details:*CONDITIONS: Excluding towlette] |
| **VOC Less H2O & Exempt Solvents** | *No Data Available* |

## SECTION 10: Stability and reactivity

**10.1. Reactivity**
This material is considered to be non reactive under normal use conditions.

**10.2. Chemical stability**
Stable.

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

**10.4. Conditions to avoid**
None known.

**10.5. Incompatible materials**

None known.

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

**Skin Contact:**
Contact with the skin during product use is not expected to result in significant irritation.

**Eye Contact:**
Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion:**
Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation.

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

**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 |
| CELLULOSE | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| CELLULOSE | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.8 mg/l |
| CELLULOSE | Ingestion | Rat | LD50 > 5,000 mg/kg |
| C9-11 ETHOXYLATED ALCOHOLS | Dermal | similar compounds | LD50 > 2,000 mg/kg |
| C9-11 ETHOXYLATED ALCOHOLS | Inhalation-Dust/Mist (4 hours) | similar compounds | LC50 > 1.6 mg/l |
| C9-11 ETHOXYLATED ALCOHOLS | Ingestion | similar compounds | LD50 3,488 mg/kg |

| | | | |
|---|---|---|---|
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Dermal | Rabbit | LD50 3,413 mg/kg |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.25 mg/l |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Rat | LD50 398 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| CELLULOSE | Not available | No significant irritation |
| C9-11 ETHOXYLATED ALCOHOLS | similar compounds | Minimal irritation |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Rabbit | Corrosive |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| CELLULOSE | Not available | No significant irritation |
| C9-11 ETHOXYLATED ALCOHOLS | Professional judgement | Moderate irritant |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Rabbit | Corrosive |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| C9-11 ETHOXYLATED ALCOHOLS | Guinea pig | Not classified |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | 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 |
|---|---|---|
| C9-11 ETHOXYLATED ALCOHOLS | In Vitro | Not mutagenic |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | In Vitro | Not mutagenic |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | In vivo | Not mutagenic |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Rat | Not carcinogenic |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|
| C9-11 ETHOXYLATED ALCOHOLS | Dermal | Not classified for female reproduction | Rat | NOAEL 250 mg/kg/day | 2 generation |
| C9-11 ETHOXYLATED ALCOHOLS | Dermal | Not classified for development | Rat | NOAEL 250 mg/kg/day | 2 generation |

| | | | | | |
|---|---|---|---|---|---|
| C9-11 ETHOXYLATED ALCOHOLS | Dermal | Not classified for male reproduction | Rat | NOAEL 100 mg/kg/day | 2 generation |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Not classified for female reproduction | Rat | NOAEL 48 mg/kg/day | 2 generation |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Not classified for male reproduction | Rat | NOAEL 30.5 mg/kg/day | 2 generation |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Not classified for development | Rat | NOAEL 48 mg/kg/day | 2 generation |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| C9-11 ETHOXYLATED ALCOHOLS | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not Available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| C9-11 ETHOXYLATED ALCOHOLS | Dermal | kidney and/or bladder \| heart \| hematopoietic system \| liver \| nervous system \| respiratory system | Not classified | Rat | NOAEL 125 mg/kg/day | 13 weeks |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | heart \| endocrine system \| gastrointestinal tract \| bone, teeth, nails, and/or hair \| hematopoietic system \| liver \| immune system \| nervous system \| eyes \| kidney and/or bladder \| respiratory system \| vascular system | Not classified | Rat | NOAEL 50 mg/kg/day | 95 days |

**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.

Dispose of waste product in a permitted industrial waste facility.

**EPA Hazardous Waste Number (RCRA):** Not regulated

## 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** |
|---|
| Not applicable |

| **Health Hazards** |
|---|
| Not applicable |

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

### 15.3. Chemical Inventories
The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information.

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:** 1 **Flammability:** 1 **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:** | 11-7028-1 | **Version Number:** | 20.00 |
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