

# **Safety Data Sheet**

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 Document group:
 11-7028-1
 Version number:
 2.00

 Issue Date:
 03/10/2017
 Supersedes date:
 12/08/2013

This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

# **SECTION 1: Identification**

### 1.1. Product identifier

3M BRAND 504 RESPIRATOR CLEANING WIPE

**Product Identification Numbers** 

70-0703-1713-9 XH-0194-3312-3 XH-0194-3313-1 XH-0194-3314-9 XH-0194-3315-6

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

# Recommended use

Cleaning respirators.

#### 1.3. Supplier's details

Address: 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland

**Telephone:** (09) 477 4040

E Mail: innovation@nz.mmm.com

Website: 3m.co.nz

# 1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

# **SECTION 2: Hazard identification**

# 2.1. Classification of the substance or mixture

Classified as hazardous according to the New Zealand, Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 as amended.

Classified as a Dangerous Good according to; New Zealand, Land Transport Rule: Dangerous Goods 2005 (Rule 45001/1) as amended, NZS 5433:2012 Transport of Dangerous Goods on Land, UN Model Regulations on the Transport of Dangerous Goods, International Maritime Dangerous Goods Code and IATA Dangerous Goods Regulations.

### **HSNO** classification

6.3A Irritating to the skin6.4A Irritating to the eye

# 9.1A Aquatic toxicity

# 2.2. Label elements SIGNAL WORD

WARNING!

# **Symbols:**

Exclamation mark | Environment |

### **Pictograms**





# **HAZARD STATEMENTS:**

H320 Causes eye irritation. H315 Causes skin irritation.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

# PRECAUTIONARY STATEMENTS

General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**Prevention:** 

P104 Read Safety Data Sheet before use. P273 Avoid release to the environment.

**Response:** 

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical advice/attention.

Disposal:

P501 Dispose of contents/container in accordance with applicable

local/regional/national/international regulations.

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

Ingredient	CAS Nbr	% by Weight
Water	7732-18-5	50 - 70
Cellulose towelette	Unknown	30 - 50
Surfactants	68439-46-3	0.1 - 1

# **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.

#### Eve contact

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

A product risk assessment is recommended to determine if eye wash facilities may be required when using this product in the workplace.

#### 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 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**

<u>Substance</u> Carbon monoxide. Carbon dioxide. Condition

During combustion.

During combustion.

# 5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

**5.4.** Hazchem code: 2Z

# **SECTION 6: Accidental release measures**

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

Ventilate the area with fresh air. 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. 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**

Refer to Section 15: HSNO Controls for more information.

#### 7.1. Precautions for safe handling

For industrial or professional use only. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. 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.

### 7.3. Approved handler test certificate

Not required

# **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

### Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

### 8.2. Exposure controls

### **8.2.1.** Engineering controls

No engineering controls required.

### 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.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

### 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. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

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

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state Solid. moist

Specific Physical Form: Non-Woven Material

**Appearance/Odour** Towelette impregnated with clear liquid, no odour

**Odour threshold** *No data available.* 

**pH** 5.75 - 6.75 [Details: CONDITIONS: Excluding towelette]

Melting point/Freezing point

Not applicable.

**Boiling point/Initial boiling point/Boiling range** ± 100 °C [Details: CONDITIONS: Excluding towelette]

Flash point No flash point

**Evaporation rate** 0.33 [Ref Std: BUOAC=1] [Details: Excluding Towelette]

Flammability (solid, gas)

Flammable Limits(LEL)

Flammable Limits(UEL)

Not applicable.

Not applicable.

**Vapour pressure** ± 2,338.5 Pa [@ 20 °C ] [Details: Excluding Towelette]

Vapour density No data available.

**Density** 1 g/ml [*Details*: Excluding Towelette]

Relative density ± 1 [Ref Std:WATER=1] [Details: CONDITIONS: Excluding

towelette]

Water solubility Complete

Solubility- non-water

Partition coefficient: n-octanol/water

Autoignition temperature

Decomposition temperature

Viscosity

No data available.

Percent volatile ± 100 % [Details: CONDITIONS: Excluding towelette]

**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 polymerisation will not occur.

#### 10.4 Conditions to avoid

None known.

# 10.5 Incompatible materials

None known.

### 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 labelling, 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

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

#### Eve 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 diarrhoea.

# **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
Surfactants	Dermal	Rabbit	LD50 > 2,000 mg/kg
Surfactants	Ingestion	Rat	LD50 1,378 mg/kg

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
Surfactants	Rabbit	Irritant

# Serious Eye Damage/Irritation

Name	Species	Value
Surfactants	Professio nal judgemen t	Corrosive

### **Skin Sensitisation**

Name	Species	Value
Surfactants	Guinea pig	Not classified

# **Respiratory Sensitisation**

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

**Germ Cell Mutagenicity** 

Name	Route	Value
Surfactants	In Vitro	Not mutagenic

#### Carcinogenicity

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

### **Reproductive Toxicity**

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Surfactants	Dermal	Not classified for female reproduction	Rat	NOAEL 250 mg/kg/day	2 generation
Surfactants	Dermal	Not classified for development	Rat	NOAEL 250 mg/kg/day	2 generation
Surfactants	Dermal	Not classified for male reproduction	Rat	NOAEL 100 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
Surfactants	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Not available	NOAEL Not available	not available

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Surfactants	Dermal	kidney and/or bladder   hematopoietic system	Not classified	Rat	NOAEL 125 mg/kg/day	13 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**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

# 12.1. Toxicity

# Ecotoxic to the aquatic environment.

9.1A Aquatic toxicity

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Surfactants	68439-46-3	Green algae	Experimental	72 hours	EC50	45 mg/l
Surfactants	68439-46-3	Water flea	Experimental	48 hours	EC50	2.686 mg/l
Surfactants	68439-46-3	Fathead	Experimental	96 hours	LC50	8.5 mg/l
		minnow				
Surfactants	68439-46-3	Green Algae	Experimental	72 hours	NOEC	1.2 mg/l
Surfactants	68439-46-3	Fathead	Experimental	30 days	NOEC	0.73 mg/l
		minnow				

### 12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Surfactants	68439-46-3	Experimental	28 days	BOD	88 % weight	OECD 301F -
		Biodegradation				Manometric
						respirometry

# 12.3: Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Surfactants	68439-46-3	Estimated		Bioaccumulatio	31	Estimated:
		Bioconcentrati		n factor		Bioconcentration factor
		on				

### 12.4. Mobility in soil

Please contact manufacturer for more details

### 12.5 Other adverse effects

No information available.

The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

# **SECTION 13: Disposal considerations**

# 13.1. Disposal methods

See Section 11.1 Information on toxicological effects

Dispose of waste product in a permitted industrial waste facility.

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

# **SECTION 14: Transport Information**

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport

UN No.: UN3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (Benzyl-C12-16-

Alkyldimethyl Ammonium Chlorides )

\_\_\_\_\_

Class/Division: 9

**Sub Risk:** Not applicable. **Packing Group:** III

**Special Instructions:** Not restricted, environmentally hazardous substance exception.

Hazchem Code: 2Z

**IERG: 47** 

International Air Transport Association (IATA) - Air Transport

**UN No.: UN3077** 

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (Benzyl-C12-16-

Alkyldimethyl Ammonium Chlorides )

Class/Division: 9

**Sub Risk:** Not applicable. **Packing Group:** III

Special Instructions: Not restricted, as per Special Provision A197, environmentally hazardous substance exception.

International Maritime Dangerous Goods Code (IMDG) - Marine Transport

UN No.: UN3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (Benzyl-C12-16-

Alkyldimethyl Ammonium Chlorides )

Class/Division: 9

**Sub Risk:** Not applicable. **Packing Group:** III

Marine Pollutant: Benzyl-C12-16-Alkyldimethyl Ammonium Chlorides

**Special Instructions:** Not restricted, as per IMDG code 2.10.2.7, marine pollutant exception.

# **SECTION 15: Regulatory information**

HSNO Approval number HSR002530

Group standard name Cleaning Products (Subsidiary Hazard) Group Standard 2006

HSNO Hazard classification Refer to Section 2: Hazard identification

### NZ Inventory of Chemicals (NZIoC) Status

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

# **HSNO Controls**

Approved handler test certificate

Location and transit Depot certification test
Hazardous atmosphere zone

Not required
Not required
Not required
Not required

Emergency response plan 100 L or 100 kg (for a HSNO 9.1A substance); or 1,000 L or 1,000 kg (for a

HSNO 6.1D, 6.5A, 6.5B, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg

(for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D substance)

Secondary containment 100 L or 100 kg (for a HSNO 9.1A substance); or 1,000 L or 1,000 kg (for a

HSNO 6.1D, 6.5A, 6.5B, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg

(for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D substance)

Tracking Not required

Warning signage 100 L or 100 kg (for a HSNO 9.1A substance); or 1,000 L or 1,000 kg (for a

HSNO 8.3A, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg (for a HSNO

6.1D or 9.1D substance)

# **SECTION 16: Other information**

# **Revision information:**

No revision information is available.

- Section 1: Product identification numbers information was modified.
- Section 1: Product use information information was deleted.
- US Section 01 Product Use Recommended Use information was added.
- Section 2: Classification statements information was modified.
- Section 2: NZ Classification statements (Transportation) information was modified.
- HSNO Classification, information was modified.
- Environmental Hazard Statements information was modified.
- Section 2: NZ Health Hazard Statements information was modified.
- Section 2: NZ Pictograms information was modified.
- Section 2: NZ Precautionary Statements General information was modified.
- Section 2: NZ Precautionary Statements Response information was modified.
- Section 2: NZ Symbols information was added.
- Section 2: Ingredient table information was modified.
- Section 4: First Aid for Eyes information was added.
- Section 4: First aid for skin contact information information was modified.
- Section 5: Fire Advice for fire fighters information information was modified.
- Section 5: Hazardous combustion products table information was added.
- Section 6: Accidental release clean-up information information was modified.
- Section 7: Precautions safe handling information information was modified.
- Section 7: Refer to Section 15 HSNO control statement information was modified.
- Section 8: Appropriate Engineering controls information information was added.
- Section 8: Eye protection information information was deleted.
- Section 8: Eye protection standard information information was added.
- Section 8: Eye/face protection information information was added.
- Section 8: Personal Protection Eye information information was added.
- Section 8: Personal Protection Respiratory Information information was added.
- Section 8: Personal Protection Skin/hand information information was modified.
- Section 8: Respiratory protection recommended respirators guide information was added.
- Section 8: Respiratory protection recommended respirators information information was added.
- Section 8: Respiratory protection information information was deleted.
- Section 8: Respiratory protection standard information information was added.
- Section 8: Skin protection recommended gloves information information was added.
- Section 8: Skin protection recommended gloves text information was added.
- Section 9: Evaporation Rate information information was modified.
- Section 9: Property description for optional properties information was modified.
- Section 10: Hazardous decomposition or by-products table information was modified.
- Section 10: Hazardous decomposition products during combustion text information was added.
- Section 11: Acute Toxicity table information was modified.
- Section 11: Aspiration Hazard Table information was deleted.
- Section 11: Aspiration Hazard text information was added.
- Section 11: Carcinogenicity Table information was deleted.
- Section 11: Carcinogenicity text information was added.
- Section 11: Disclosed components not in tables text information was added.
- Section 11: Germ Cell Mutagenicity Table information was modified.
- Section 11: Health Effects Eye information information was modified.
- Section 11: Health Effects Skin information information was modified.
- Section 11: Reproductive and/or Developmental Effects text information was added.
- Section 11: Reproductive Toxicity Table information was modified.
- Section 11: Respiratory Sensitization Table information was deleted.
- Section 11: Respiratory Sensitization text information was added.
- Section 11: Serious Eye Damage/Irritation Table information was modified.
- Section 11: Skin Corrosion/Irritation Table information was modified.
- Section 11: Skin Sensitization Table information was modified.
- Section 11: Target Organs Repeated Table information was modified.
- Section 11: Target Organs Single Table information was modified.
- Section 12: Component ecotoxicity information information was added.

Prints No Data if Bioccumulative potential information is not present information was deleted.

Prints No Data if Component ecotoxicity information is not present information was deleted.

Prints No Data if Persistence and Degradability information is not present information was deleted.

Section 12: Persistence and Degradability information information was added.

Section 12:Bioccumulative potential information information was added.

Section 13: 13.1. Waste disposal note information was modified.

Section 13: Standard Phrase Category Waste GHS information was modified.

Section 14: Class/Div Group 2 information was added.

Section 14: IERG Group 1 information was added.

Section 14: IERG Group 2 information was added.

Section 14: Marine Pollutant Technical Name information was added.

Section 14: Packing Group Group 1 information was added.

Section 14: Packing Group Group 2 information was added.

Section 14: Proper Shipping Name Technical Name Group 1 information was added.

Section 14: Special Instructions ADG Group 1 information was added.

Section 14: Special Instructions Group 2 information was added.

Section 14: Special Instructions IATA Group 1 information was added.

Section 14: Special Instructions IATA Group 2 information was added.

Section 14: Special Instructions IMDG Group 1 information was added.

Section 14: Special Instructions IMDG Group 2 information was added.

Section 14: Transport Class/Div Group 1 information was added.

Section 14: Transport Information information was added.

Section 14: Transportation information information was deleted.

Section 14: Transportation Sub Risk Group 1 information was added.

Section 14: Transportation Sub Risk Group 2 information was added.

Section 14: UN Number IATA Group 1 information was added.

Section 14: UN Number IATA Group 2 information was added.

Section 14: UN Number information was added.

Section 14: UN Proper Shipping Name Group 1 information was added.

Section 14: UN Proper Shipping Name Group 2 information was added.

Section 14: UN Proper Shipping Name IATA Group 1 information was added.

Section 14: UN Proper Shipping Name IATA Group 2 information was added.

Section 15: NZ Inventories information information was added.

Section 16: NZ reason for reissue information was added.

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