



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3M™ Paint Buster Hand Cleaner, PN 05604, 05975

Product Identification Numbers

60-4550-4948-0, 60-4550-5501-6
7000000541, 7100136616

1.2. Recommended use and restrictions on use

Recommended use

Hand Cleaner

1.3. Supplier's details

MANUFACTURER: 3M
DIVISION: Automotive Aftermarket
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

Serious Eye Damage/Irritation: Category 2A.

Carcinogenicity: Category 1A.

Specific Target Organ Toxicity (repeated exposure): Category 1.

2.2. Label elements

Signal word

Danger

Symbols

Exclamation mark | Health Hazard |

Pictograms**Hazard Statements**

Causes serious eye irritation.
May cause cancer.

Causes damage to organs through prolonged or repeated exposure: respiratory system.

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.
Do not breathe vapors.
Wash exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye protection and if needed, respiratory protection (see SDS Section 8).

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical attention.
Get medical attention if you feel unwell.
If eye irritation persists: Get medical advice.

Storage:

Store locked up.

Disposal:

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

14% of the mixture consists of ingredients of unknown acute oral toxicity.

14% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Dimethyl Adipate	627-93-0	45 - 70 Trade Secret *
Bentonite	1302-78-9	< 12
Polyethylene Glycol	25322-68-3	7 - 11
Dimethyl Glutarate	1119-40-0	1 - 10
Cellulose	9004-34-6	3 - 7
Stearic Acid	57-11-4	3 - 7
Talc	14807-96-6	3 - 7 Trade Secret *
Triethanolamine	102-71-6	1 - 5
Synthetic Amorphous Silica, Fumed, Crystalline Free	112945-52-5	1 - 5

Lanolin	8006-54-0	1 - 5
Petrolatum	8009-03-8	1 - 5
Sodium di(2-ethylhexyl) sulfosuccinate	577-11-7	0.5 - 1.5 Trade Secret *
Quartz Silica	14808-60-7	< 0.7
Cristobalite	14464-46-1	< 0.2

*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:

Wash with soap and water. 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

Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

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

Aldehydes
Carbon monoxide
Carbon dioxide
Oxides of Nitrogen

Condition

During Combustion
During Combustion
During Combustion
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

Evacuate area. 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. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. 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. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. 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

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities

Keep from freezing. 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
Triethanolamine	102-71-6	ACGIH	TWA:5 mg/m3	
Silica: Amorphous, including natural diatomaceous earth	112945-52-5	OSHA	TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3	
Continuous filament glass fibers	14464-46-1	ACGIH	TWA(as fiber):1 fiber/cc	A4: Not class. as human carcin
Continuous filament glass fibers, inhalable fraction	14464-46-1	ACGIH	TWA(inhalable fraction):5 mg/m3	A4: Not class. as human carcin
Cristobalite	14464-46-1	OSHA	TWA concentration(respirable):0.05 mg/m3(1.2 millions of particles/cu. ft.);TWA:0.05 mg/m3	
Silica, crystalline, respirable fraction	14464-46-1	ACGIH	TWA(respirable fraction):0.025 mg/m3	A2: Suspected human carcin.

Talc	14807-96-6	ACGIH	TWA(respirable fraction):2 mg/m3	A4: Not class. as human carcin
Talc	14807-96-6	OSHA	TWA concentration(respirable):0.1 mg/m3(2.4 millions of particles/cu. ft.);TWA:20 millions of particles/cu. ft.	
Quartz Silica	14808-60-7	OSHA	TWA Table Z-1(respirable):0.05 mg/m3;TWA Table Z-3(respirable):0.1 mg/m3;TWA concentration(respirable):0.1 mg/m3(2.4 millions of particles/cu. ft.)	
Silica, crystalline, respirable fraction	14808-60-7	ACGIH	TWA(respirable fraction):0.025 mg/m3	A2: Suspected human carcin.
Polyethylene Glycol	25322-68-3	AIHA	TWA:10 mg/m3	
Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction	8009-03-8	ACGIH	TWA(inhalable fraction):5 mg/m3	A4: Not class. as human carcin
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

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.

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:

Safety Glasses with side shields

Indirect Vented Goggles

Skin/hand protection

When used as intended as a hand cleaner, chemical protective gloves are not required.

For all other uses:

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

Half facepiece or full facepiece supplied-air respirator

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

Physical state	Liquid Paste
Specific Physical Form:	Paste
Color	Light Tan
Odor	Mild Citrus
Odor threshold	No Data Available
pH	8.1 - 8.7
Melting point	No Data Available
Boiling Point	>=215 °F
Flash Point	201 °F [Test Method:Closed Cup]
Evaporation rate	No Data Available
Flammability	Not Applicable
Flammable Limits(LEL)	No Data Available
Flammable Limits(UEL)	No Data Available
Vapor Pressure	1 mmHg [Test Method:Estimated] [Details:CONDITIONS: @ 20 C]
Relative Vapor Density	No Data Available
Density	9.25 - 9.75 lb/gal
Relative Density	1.10843 - 1.16834 [Ref.Std:WATER=1]
Solubility in Water	Slight (less than 10%)
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Kinematic Viscosity	23,718 mm2/sec
Hazardous Air Pollutants	0.0019 lb HAPS/lb solids [Test Method:Calculated]
Volatile Organic Compounds	0.8 % weight [Test Method:calculated per CARB title 2]
Volatile Organic Compounds	678 g/l [Test Method:calculated SCAQMD rule 443.1]
Percent volatile	58.5 % weight [Details:(excluding exempt compounds)]
VOC Less H2O & Exempt Solvents	681 g/l [Test Method:calculated SCAQMD rule 443.1]
Particle Characteristics	Not Applicable

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

None known.

10.5. Incompatible materials

Strong oxidizing agents

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

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects**Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

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:

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

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.

Additional Health Effects:**Prolonged or repeated exposure may cause target organ effects:**

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Carcinogenicity:

Contains a chemical(s) which may cause cancer following prolonged, repeated inhalation of dust from dried or cured product.

Ingredient	CAS No.	Class Description	Regulation
Silica, Crystalline (Respirable Size)	14464-46-1	Known To Be Human Carcinogen.	National Toxicology Program Carcinogens
Silica, Crystalline (Respirable Size)	14808-60-7	Known To Be Human Carcinogen.	National Toxicology Program Carcinogens
Silica dust, crystalline, in the form of quartz or cristobalite	14464-46-1	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Silica dust, crystalline, in the form of quartz or cristobalite	14808-60-7	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Talc	14807-96-6	Grp. 2A: Probable human carc.	International Agency for Research on Cancer

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	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Dimethyl Adipate	Dermal	Rabbit	LD50 > 5,000 mg/kg
Dimethyl Adipate	Ingestion	Rat	LD50 > 5,000 mg/kg
Dimethyl Adipate	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 11 mg/l
Polyethylene Glycol	Dermal	Rabbit	LD50 > 20,000 mg/kg
Polyethylene Glycol	Ingestion	Rat	LD50 32,770 mg/kg
Dimethyl Glutarate	Dermal	similar compounds	LD50 > 2,000 mg/kg
Dimethyl Glutarate	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 11 mg/l
Dimethyl Glutarate	Ingestion	similar compounds	LD50 > 5,000 mg/kg
Talc	Dermal		LD50 estimated to be > 5,000 mg/kg
Talc	Ingestion		LD50 estimated to be > 5,000 mg/kg
Stearic Acid	Dermal	Rabbit	LD50 > 2,000 mg/kg
Stearic Acid	Ingestion	Rat	LD50 > 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
Triethanolamine	Dermal	Rabbit	LD50 > 2,000 mg/kg
Triethanolamine	Ingestion	Rat	LD50 9,000 mg/kg
Petrolatum	Dermal	similar compounds	LD50 > 5,000 mg/kg
Petrolatum	Ingestion	similar compounds	LD50 > 5,000 mg/kg
Synthetic Amorphous Silica, Fumed, Crystalline Free	Dermal	Rabbit	LD50 > 5,000 mg/kg
Synthetic Amorphous Silica, Fumed, Crystalline Free	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Rat	LD50 > 5,110 mg/kg
Sodium di(2-ethylhexyl) sulfosuccinate	Dermal	Rabbit	LD50 > 10,000 mg/kg
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	Rat	LD50 > 2,100 mg/kg
Quartz Silica	Dermal		LD50 estimated to be > 5,000 mg/kg
Quartz Silica	Ingestion		LD50 estimated to be > 5,000 mg/kg
Cristobalite	Dermal		LD50 estimated to be > 5,000 mg/kg
Cristobalite	Ingestion		LD50 estimated to be > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Dimethyl Adipate	Rabbit	No significant irritation
Polyethylene Glycol	Rabbit	Minimal irritation
Dimethyl Glutarate	similar compounds	No significant irritation
Stearic Acid	Rabbit	No significant irritation
Talc	Rabbit	No significant irritation
Cellulose	Not available	No significant irritation
Triethanolamine	Rabbit	Minimal irritation
Petrolatum	similar compounds	No significant irritation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Rabbit	No significant irritation
Sodium di(2-ethylhexyl) sulfosuccinate	Rabbit	Irritant
Quartz Silica	Professional judgment	No significant irritation
Cristobalite	Professional judgment	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Dimethyl Adipate	Rabbit	Moderate irritant
Polyethylene Glycol	Rabbit	Mild irritant
Dimethyl Glutarate	similar compounds	Mild irritant
Stearic Acid	Rabbit	No significant irritation
Talc	Rabbit	No significant irritation
Cellulose	Not available	No significant irritation
Triethanolamine	Rabbit	Mild irritant
Petrolatum	similar compounds	No significant irritation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Rabbit	No significant irritation
Sodium di(2-ethylhexyl) sulfosuccinate	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Dimethyl Adipate	similar compounds	Not classified
Polyethylene Glycol	Guinea pig	Not classified
Dimethyl Glutarate	similar compounds	Not classified
Triethanolamine	Human	Not classified
Petrolatum	Guinea pig	Not classified
Synthetic Amorphous Silica, Fumed, Crystalline Free	Human and animal	Not classified

Sodium di(2-ethylhexyl) sulfosuccinate	Human	Not classified
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Respiratory Sensitization

Name	Species	Value
Talc	Human	Not classified

Germ Cell Mutagenicity

Name	Route	Value
Dimethyl Adipate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Polyethylene Glycol	In Vitro	Not mutagenic
Polyethylene Glycol	In vivo	Not mutagenic
Dimethyl Glutarate	In vivo	Not mutagenic
Dimethyl Glutarate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Stearic Acid	In Vitro	Not mutagenic
Talc	In Vitro	Not mutagenic
Talc	In vivo	Not mutagenic
Triethanolamine	In Vitro	Not mutagenic
Triethanolamine	In vivo	Not mutagenic
Petrolatum	In Vitro	Not mutagenic
Synthetic Amorphous Silica, Fumed, Crystalline Free	In Vitro	Not mutagenic
Sodium di(2-ethylhexyl) sulfosuccinate	In vivo	Not mutagenic
Sodium di(2-ethylhexyl) sulfosuccinate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Quartz Silica	In Vitro	Some positive data exist, but the data are not sufficient for classification
Quartz Silica	In vivo	Some positive data exist, but the data are not sufficient for classification
Cristobalite	In Vitro	Some positive data exist, but the data are not sufficient for classification
Cristobalite	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Polyethylene Glycol	Ingestion	Rat	Not carcinogenic
Stearic Acid	Ingestion	Rat	Not carcinogenic
Talc	Dermal	Human	Some positive data exist, but the data are not sufficient for classification
Talc	Inhalation	Rat	Carcinogenic
Triethanolamine	Dermal	Multiple animal species	Not carcinogenic
Triethanolamine	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
Petrolatum	Dermal	Mouse	Not carcinogenic
Petrolatum	Ingestion	Rat	Not carcinogenic
Synthetic Amorphous Silica, Fumed, Crystalline Free	Not Specified	Mouse	Some positive data exist, but the data are not sufficient for classification
Quartz Silica	Inhalation	Human and animal	Carcinogenic
Cristobalite	Inhalation	Human and animal	Carcinogenic

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure
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					Duration
Polyethylene Glycol	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,125 mg/kg/day	during gestation
Polyethylene Glycol	Ingestion	Not classified for male reproduction	Rat	NOAEL 5699 +/- 1341 mg/kg/day	5 days
Polyethylene Glycol	Not Specified	Not classified for reproduction and/or development		NOEL N/A	
Polyethylene Glycol	Ingestion	Not classified for development	Mouse	NOAEL 562 mg/animal/day	during gestation
Dimethyl Glutarate	Inhalation	Not classified for development	Rabbit	NOAEL 1 mg/l	during gestation
Talc	Ingestion	Not classified for development	Rat	NOAEL 1,600 mg/kg	during organogenesis
Triethanolamine	Ingestion	Not classified for development	Mouse	NOAEL 1,125 mg/kg/day	during organogenesis
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	3 generation
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	Not classified for male reproduction	Rat	NOAEL 750 mg/kg/day	3 generation
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	Not classified for development	Rat	NOAEL 1,074 mg/kg/day	during organogenesis

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Dimethyl Adipate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Professional judgement	NOAEL Not available	
Polyethylene Glycol	Inhalation	respiratory irritation	Not classified	Rat	NOAEL 1.008 mg/l	2 weeks
Dimethyl Glutarate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Professional judgement	NOAEL Not available	
Stearic Acid	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Sodium di(2-ethylhexyl) sulfosuccinate	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
Dimethyl Adipate	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Adipate	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Adipate	Inhalation	liver	Not classified	Rat	NOAEL 0.4 mg/l	90 days

Dimethyl Adipate	Inhalation	nervous system	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Adipate	Inhalation	eyes	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Adipate	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Polyethylene Glycol	Inhalation	respiratory system	Not classified	Rat	NOAEL 1.008 mg/l	2 weeks
Polyethylene Glycol	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Polyethylene Glycol	Ingestion	heart	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Polyethylene Glycol	Ingestion	endocrine system	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Polyethylene Glycol	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Polyethylene Glycol	Ingestion	liver	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Polyethylene Glycol	Ingestion	nervous system	Not classified	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Dimethyl Glutarate	Inhalation	endocrine system	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Glutarate	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Glutarate	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Glutarate	Inhalation	liver	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Glutarate	Inhalation	nervous system	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Glutarate	Inhalation	eyes	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Dimethyl Glutarate	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 0.4 mg/l	90 days
Stearic Acid	Ingestion	blood	Not classified	Rat	NOAEL Not available	6 weeks
Talc	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
Talc	Inhalation	pulmonary fibrosis	Not classified	Rat	NOAEL 18 mg/m3	113 weeks
Talc	Inhalation	respiratory system	Not classified	Rat	NOAEL 18 mg/m3	113 weeks
Triethanolamine	Dermal	kidney and/or bladder	Not classified	Multiple animal species	NOAEL 2,000 mg/kg/day	2 years
Triethanolamine	Dermal	liver	Not classified	Mouse	NOAEL 4,000 mg/kg/day	13 weeks
Triethanolamine	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 1,000 mg/kg/day	2 years
Triethanolamine	Ingestion	liver	Not classified	Guinea pig	NOAEL 1,600 mg/kg/day	24 weeks
Petrolatum	Ingestion	heart	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	skin	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	endocrine system	Not classified	Rat	NOAEL	2 years

					5,000 mg/kg/day	
Petrolatum	Ingestion	gastrointestinal tract	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	liver	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	immune system	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	muscles	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	nervous system	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Petrolatum	Ingestion	respiratory system	Not classified	Rat	NOAEL 5,000 mg/kg/day	2 years
Synthetic Amorphous Silica, Fumed, Crystalline Free	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure
Synthetic Amorphous Silica, Fumed, Crystalline Free	Inhalation	silicosis	Not classified	Human	NOAEL Not available	occupational exposure
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	heart	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	skin	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	endocrine system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	gastrointestinal tract	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	bone, teeth, nails, and/or hair	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	immune system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	muscles	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	eyes	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days

Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Sodium di(2-ethylhexyl) sulfosuccinate	Ingestion	vascular system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Quartz Silica	Inhalation	silicosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
Cristobalite	Inhalation	silicosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure

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. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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.

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

Carcinogenicity

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

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification

Health: 2 **Flammability:** 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.

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