Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier
Scotch-Brite(R) Disposable Toilet Scrubber Cleaning System and Refills (Cat. No. 558-SK, 558-RF)

Product Identification Numbers
70-0052-7872-9, 70-0052-7873-7, 70-0052-9299-3, 70-0052-9300-9, 70-0068-4349-7, 70-0068-4350-5, 70-0068-4916-3, 70-0070-0946-0
7100095106, 7100095108, 7100114680, 7100138090, 7010409275, 7100103266, 7100103298, 7100114237

1.2. Recommended use and restrictions on use

Recommended use
Consumer product for cleaning household toilets.

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	Home Health and Auto Care 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
Serious Eye Damage/Irritation: Category 2A.
Skin Corrosion/Irritation: Category 2.
Carcinogenicity: Category 1A.

2.2. Label elements
Signal word
Danger

Symbols
Exclamation mark | Health Hazard |

Pictograms

Hazard Statements
Causes serious eye irritation.
Causes skin irritation.
May cause cancer.

Precautionary Statements
General:
Keep out of reach of children.

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves and eye/face protection.
Wash thoroughly after handling.

Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF exposed or concerned: Get medical advice/attention.

Storage:
Store locked up.

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

8% of the mixture consists of ingredients of unknown acute oral toxicity.
12% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
NONHAZARDOUS NONWOVEN SCRUBBING PAD	Trade Secret*	40 - 60
PUMICE	1332-09-8	10 - 20
WATER	7732-18-5	10 - 20
BENZENESULFONIC ACID, MONO-C10-16-ALKYL DERIVS., SODIUM SALTS	68081-81-2	1 - 10 Trade Secret *
TRIETHANOLAMINE DODECYLBENZOSULFONATE	27323-41-7	1 - 10 Trade Secret *
HYDROXYACETIC ACID	79-14-1	1 - 5 Trade Secret *
SODIUM CARBOXYMETHYL CELLULOSE	9004-32-4	1 - 5
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	13463-67-7	< 0.5 Trade Secret *
ABRASIVE	Trade Secret*	< 0.2 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 are concerned, get medical advice.

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
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.

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. 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

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. Use personal protective equipment (gloves, respirators, etc.) as required.

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
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	13463-67-7	ACGIH	TWA(Respirable nanoscale particles):0.2 mg/m3;TWA(Respirable finescale particles):2.5 mg/m3	A3: Confirmed animal carcin.
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	13463-67-7	OSHA	TWA(as total dust):15 mg/m3	
ABRASIVE	Trade Secret	ACGIH	TWA(respirable fraction):0.025 mg/m3	A2: Suspected human carcin.
ABRASIVE	Trade Secret	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.)	

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

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 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

Appearance	
Physical state	Solid
Color	Blue
Odor	Fresh Odor
Odor threshold	*No Data Available*
pH	*Not Applicable*
Melting point	*Not Applicable*
Boiling Point	*Not Applicable*
Flash Point	No flash point
Evaporation rate	*Not Applicable*
Flammability (solid, gas)	Not Classified
Flammable Limits(LEL)	*Not Applicable*
Flammable Limits(UEL)	*Not Applicable*
Vapor Pressure	*Not Applicable*
Vapor Density	*Not Applicable*
Specific Gravity	*No Data Available*
Solubility In Water	*No Data Available*
Solubility- non-water	*No Data Available*
Partition coefficient: n-octanol/ water	*Not Applicable*
Autoignition temperature	*No Data Available*
Decomposition temperature	*No Data Available*
Viscosity	*Not Applicable*
Percent volatile	*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
Bleach

10.6. Hazardous decomposition products

Substance	Condition
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

SECTION 11: Toxicological information

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

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

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

Inhalation:
May cause additional health effects (see below).

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

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

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

Additional Health Effects:

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

Ingredient	CAS No.	Class Description	Regulation
ABRASIVE	Trade Secret	Known To Be Human Carcinogen.	National Toxicology Program Carcinogens
ABRASIVE	Trade Secret	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Titanium dioxide	13463-67-7	Grp. 2B: Possible 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

PUMICE	Dermal	Rabbit	LD50 > 5,000 mg/kg
PUMICE	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
PUMICE	Ingestion	Rat	LD50 > 5,110 mg/kg
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Dermal	Rabbit	LD50 > 4,199 mg/kg
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Ingestion	Rat	LD50 1,653 mg/kg
HYDROXYACETIC ACID	Inhalation-Dust/Mist (4 hours)	Rat	LC50 2.5 mg/l
HYDROXYACETIC ACID	Ingestion	Rat	LD50 2,040 mg/kg
SODIUM CARBOXYMETHYL CELLULOSE	Dermal	Rabbit	LD50 > 2,000 mg/kg
SODIUM CARBOXYMETHYL CELLULOSE	Ingestion	Rat	LD50 > 27,000 mg/kg
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Dermal	Rabbit	LD50 > 10,000 mg/kg
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.82 mg/l
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Ingestion	Rat	LD50 > 10,000 mg/kg
ABRASIVE	Dermal		LD50 estimated to be > 5,000 mg/kg
ABRASIVE	Ingestion		LD50 estimated to be > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
PUMICE	Rabbit	No significant irritation
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Rabbit	Irritant
HYDROXYACETIC ACID	Rabbit	Corrosive
SODIUM CARBOXYMETHYL CELLULOSE	Human	No significant irritation
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Rabbit	No significant irritation
ABRASIVE	Professional judgement	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
PUMICE	Rabbit	No significant irritation
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Professional judgement	Severe irritant
HYDROXYACETIC ACID	Rabbit	Corrosive
SODIUM CARBOXYMETHYL CELLULOSE	Rabbit	No significant irritation
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Rabbit	No significant irritation

Skin Sensitization

Name	Species	Value
PUMICE	Human and animal	Not classified
HYDROXYACETIC ACID	Guinea pig	Not classified
SODIUM CARBOXYMETHYL CELLULOSE	Human	Not classified
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Human and animal	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
PUMICE	In Vitro	Not mutagenic
HYDROXYACETIC ACID	In Vitro	Not mutagenic
HYDROXYACETIC ACID	In vivo	Not mutagenic
SODIUM CARBOXYMETHYL CELLULOSE	In Vitro	Not mutagenic
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	In Vitro	Not mutagenic
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	In vivo	Not mutagenic
ABRASIVE	In Vitro	Some positive data exist, but the data are not sufficient for classification
ABRASIVE	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
PUMICE	Not Specified	Mouse	Some positive data exist, but the data are not sufficient for classification
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Dermal	Mouse	Not carcinogenic
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Ingestion	Multiple animal species	Not carcinogenic
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Inhalation	Rat	Carcinogenic
ABRASIVE	Inhalation	Human and animal	Carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
PUMICE	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
PUMICE	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
PUMICE	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Dermal	Not classified for male reproduction	Rat	NOAEL 1.5 mg/kg/day	1 generation
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Dermal	Not classified for development	Rat	NOAEL 10 mg/kg/day	during organogenesis
HYDROXYACETIC ACID	Ingestion	Not classified for development	Rat	NOAEL 150 mg/kg/day	during gestation
SODIUM CARBOXYMETHYL CELLULOSE	Ingestion	Not classified for female reproduction	Rat	NOAEL 1 g/kg in the diet	3 generation
SODIUM CARBOXYMETHYL CELLULOSE	Ingestion	Not classified for male reproduction	Rat	NOAEL 1 g/kg in the diet	3 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL NA	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
PUMICE	Inhalation	respiratory system | silicosis	Not classified	Human	NOAEL Not available	occupational exposure
TRIETHANOLAMINE DODECYLBENZOSULFONATE	Dermal	hematopoietic system	Not classified	Rabbit	NOAEL 5 mg/kg/day	13 weeks
HYDROXYACETIC ACID	Inhalation	heart | hematopoietic system | liver | immune system | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 1.4 mg/l	2 weeks
HYDROXYACETIC ACID	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 400 mg/kg/day	248 days
HYDROXYACETIC ACID	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 600 mg/kg/day	90 days
HYDROXYACETIC ACID	Ingestion	liver	Not classified	Other	LOAEL 97 mg/kg/day	59 days
HYDROXYACETIC ACID	Ingestion	muscles | nervous system	Not classified	Rat	NOAEL 600 mg/kg/day	90 days
HYDROXYACETIC ACID	Ingestion	respiratory system	Not classified	Dog	NOAEL 500 mg/kg/day	119 days
SODIUM CARBOXYMETHYL CELLULOSE	Ingestion	blood | kidney and/or bladder	Not classified	Rat	NOAEL 1 g/kg in the diet	25 months
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.01 mg/l	2 years
TITANIUM DIOXIDE (AERODYNAMIC DIAMETER >10UM)	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure
ABRASIVE	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 completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative,

incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

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
Skin Corrosion or Irritation

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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