



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Abrasive Product

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
E Mail: tox.uk@mmm.com
Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

This product is considered an article and is exempt from hazard classification.

2.2. Label elements

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbols None.

Contains:

No ingredients are assigned to the label.

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)**Risk phrases**

Safety phrasesNone.

Products should be marked with safety pictograms as recommended by FEPA (Federation of European Producers of Abrasives).

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Aluminum Oxide Mineral(REACH Reg. No.:01-2119529248-35)	1344-28-1	EINECS 215-691-6	25 - 40	STOT RE 2, H373 (3M)
Titanium dioxide	13463-67-7	EINECS 236-675-5	< 3	R52/53 (3M)
Nylon 66	Mixture		10 - 20	
Nylon	None		5 - 10	
Cured resin	Mixture		25 - 40	
Roloc™Button	None		0 - 5	
Backing	Mixture		0 - 5	

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures**4.1. Description of first aid measures****Eye contact**

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

Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)

5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide.

Carbon dioxide.

Condition

During combustion.

During combustion.

5.3. Advice for fire-fighters

No unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate the area with fresh air.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Sweep up. Place in a container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. Collect as much of the spilled material as possible. Seal the container.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid breathing of dust created by cutting, sanding, grinding or machining. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. For industrial or professional use only.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Aluminum Oxide Mineral	1344-28-1	Health and Safety Comm.	TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable	

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)

Titanium dioxide	13463-67-7	(UK) Health and Safety Comm. (UK)	dust):4 mg/m ³ TWA(Inhalable):10 mg/m ³ ;TWA(respirable):4 mg/m ³
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Health and Safety Comm. (UK) : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
ppm: parts per million
mg/m³: milligrams per cubic metre
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/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

The following eye protection(s) are recommended: Safety glasses with side shields.

Skin/hand protection

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory protection

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with P2 particulate filters.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Specific Physical Form:	Non-Woven Material
Appearance/Odour	Solid abrasive product
pH	<i>Not applicable.</i>
Boiling point/boiling range	<i>Not applicable.</i>
Melting point	<i>No data available.</i>
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	<i>Not applicable.</i>
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>Not applicable.</i>
Relative density	<i>Not applicable.</i>
Water solubility	<i>Not applicable.</i>
 Partition coefficient: n-octanol/water	 <i>Not applicable.</i>
 Vapour density	 <i>Not applicable.</i>

9.2. Other information

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 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.	

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:

Eye contact

Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion. Contact with the eyes during product use is not expected to result in significant irritation.

Skin contact

Mechanical skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching. Contact with the skin during product use is not expected to result in significant irritation.

Inhalation

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion

No health effects are expected.

Target Organ Effects:

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

Toxicological Data

Acute Toxicity

Name	Route	Species	Value	UN GHS Classification
Aluminum Oxide Mineral			No data available	
Nylon 66			No data available	
Titanium dioxide			No data available	

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)		No test data available; calculated to cause no significant irritation	Not classified
Aluminum Oxide Mineral		No data available	
Nylon 66		No data available	
Titanium dioxide		No data available	

Serious Eye Damage/Irritation

Name	Species	Value	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)		No test data available; calculated to cause no significant irritation	Not classified
Aluminum Oxide Mineral		No data available	
Nylon 66		No data available	
Titanium dioxide		No data available	

Skin Sensitisation

Name	Species	Value	UN GHS Classification
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3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)		No test data available.	Not classified based on component data
Aluminum Oxide Mineral		No data available	
Nylon 66		No data available	
Titanium dioxide		No data available	

Respiratory Sensitisation

Name	Species	Value	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)		No test data available.	Not classified based on component data
Aluminum Oxide Mineral		No data available	
Nylon 66		No data available	
Titanium dioxide		No data available	

Germ Cell Mutagenicity

Name	Route	Value	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)		No data available	Overall Germ Cell Mutagenicity classificationNot classified
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)		No test data available.	
Aluminum Oxide Mineral		No data available	
Nylon 66		No data available	
Titanium dioxide		No data available	

Carcinogenicity

Name	Route	Species	Value	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN			No test data available.	Not classified based on component data

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)

(Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)				
Aluminum Oxide Mineral			No data available	
Nylon 66			No data available	
Titanium dioxide			No data available	

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)		No test data available.				Not classified based on component data
Aluminum Oxide Mineral		No data available				
Nylon 66		No data available				
Titanium dioxide		No data available				

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Aluminum Oxide Mineral			No data available				
Nylon 66			No data available				
Titanium dioxide			No data available				

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning			No test data available.				Category 2 based on component data

3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)

Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)							
Aluminum Oxide Mineral	Inhalation	pneumoc oniosis	May cause damage to organs though prolonged or repeated exposure		NOAEL N/A		Category 2
Nylon 66			No data available				
Titanium dioxide			No data available				

Aspiration Hazard

Name	Value	UN GHS Classification
3M™ Scotch-Brite™ Surface Conditioning Products, AVFN (Sheets, Rolls, Discs (includes Roloc™ TN, TP, TR, TS, TSM), Scrim Belts, Belts)	No test data available.	Not classified based on component and/or viscosity data
Aluminum Oxide Mineral	Not an aspiration hazard	Not classified
Nylon 66	Not an aspiration hazard	Not classified
Titanium dioxide	Not an aspiration hazard	Not classified

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

No product test data available.

No component test data available.

12.2. Persistence and degradability

No test data available.

12.3 : Bioaccumulative potential

No test data available.

12.4. Mobility in soil

Please contact 3M for more details.

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact 3M for more details

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

160304 Inorganic wastes other than those mentioned in 16 03 03

SECTION 14: Transportation information

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Carcinogenicity

Ingredient

Titanium dioxide

CAS Nbr

13463-67-7

Classification

Grp. 2B: Possible human
carc.

Regulation

International Agency
for Research on Cancer

Global inventory status

Contact 3M for more information.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

H373 May cause damage to organs through prolonged or repeated exposure.

List of relevant R-phrases

R52/53 Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Revision information:

Revision Changes:

Section 6: Accidental release personal information was modified.

Section 6: Accidental release clean-up information was modified.

Section 3: Ingredient phrase was deleted.

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3M United Kingdom MSDSs are available at www.3M.com/uk