MATERIAL SAFETY DATA SHEET

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DIVISION: ABRASIVE SYSTEMS DIVISION
TRADE NAME:
SCOTCH-BRITE (TM) Surface Conditioning products (Discs, belts, sheets, rolls)

ISSUED: FEBRUARY 27, 1997
SUPERSEDES: AUGUST 13, 1990
DOCUMENT: 05-5844-5

1. INGREDIENT

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide or Silicon Carbide</td>
<td>1344-28-1</td>
<td>65</td>
</tr>
<tr>
<td>Cured Adhesive</td>
<td>None</td>
<td>65</td>
</tr>
<tr>
<td>Polyester</td>
<td>Unknown</td>
<td>60</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>40</td>
</tr>
<tr>
<td>Nylon</td>
<td>Unknown</td>
<td>40</td>
</tr>
<tr>
<td>Scrim</td>
<td>Unknown</td>
<td>30</td>
</tr>
</tbody>
</table>

NOTE: INCLUDES SCOTCH BRITE (TM) STARS

2. PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>N/A</td>
</tr>
<tr>
<td>Sp. Gravity</td>
<td>N/A</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Non-woven material</td>
</tr>
</tbody>
</table>

3. FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits - LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits -UEL</td>
<td>N/A</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Water, Carbon dioxide, Dry chemical, Foam</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Wear full protective clothing, including helmet, self-contained,</td>
</tr>
</tbody>
</table>

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately
3M General Offices
3M Center
St. Paul, MN 55144-1000
1-800-364-3577 or (612) 737-6501 (24 hours)

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Not applicable.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:
Not applicable.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:
No hazardous decomposition products are expected during normal use of
this product. However, during flaming conditions or excessive
heating the following may be emitted: carbon monoxide, carbon
dioxide, oxides of nitrogen, cyanides, formaldehyde

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Not applicable.

RECOMMENDED DISPOSAL:
Incinerate in an industrial or commercial facility. Dispose of waste
product in a sanitary landfill.

ENVIRONMENTAL DATA:
Not determined.

REGULATORY INFORMATION:
Volatile Organic Compounds: N/A.
VOC Less H2O & Exempt Solvents: N/A.

Since regulations vary, consult applicable regulations or authorities
before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S.
EPA Hazardous).

EPCRA HAZARD CLASS:
FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with large amounts of water. Get immediate
medical attention.

SKIN CONTACT:
Wash affected area with soap and water.

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6. SUGGESTED FIRST AID (continued)

INHALATION:
If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:
Not applicable.

OTHER FIRST AID:
All first aid statements refer to exposure of dust created by cutting, sanding or grinding.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Wear safety glasses with side shields.

Use protective glasses and/or face shield as recommended in ANSI Standard Z87.1.

SKIN PROTECTION:
Not applicable.

VENTILATION PROTECTION:
Provide appropriate local exhaust for grinding, cutting or sanding cured material. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Use particulate collection systems.

RESPIRATORY PROTECTION:
Avoid breathing of dust created by cutting, sanding or grinding.
Select one of the following: half-mask dust respirator, full-face dust respirator.

PREVENTION OF ACCIDENTAL INGESTION:
Do not ingest.

RECOMMENDED STORAGE:
Not applicable.

FIRE AND EXPLOSION AVOIDANCE:
Not applicable.
### 7. Precautionary Information (continued)

#### Exposure Limits

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Value</th>
<th>Unit</th>
<th>Type</th>
<th>Auth</th>
<th>Skin*</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINUM OXIDE OR</td>
<td>1.0</td>
<td>fpcc</td>
<td>TWA</td>
<td>CMRG</td>
<td></td>
</tr>
<tr>
<td>ALUMINUM OXIDE OR</td>
<td>1.0</td>
<td>fpcc</td>
<td>TWA</td>
<td>OSHA</td>
<td></td>
</tr>
<tr>
<td>ALUMINUM OXIDE OR</td>
<td>10</td>
<td>mg/m³</td>
<td>TWA</td>
<td>OSHA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>as dust</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALUMINUM OXIDE OR</td>
<td>10</td>
<td>mg/m³</td>
<td>TWA</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>as Al</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SILICON CARBIDE</td>
<td>10</td>
<td>mg/m³</td>
<td>TWA</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>Cured Adhesive</td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyester</td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Talc</td>
<td>2</td>
<td>mg/m³</td>
<td>TWA</td>
<td>OSHA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>as respirable dust</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Talc</td>
<td>2</td>
<td>mg/m³</td>
<td>TWA</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>as respirable dust</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nylon</td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scrims</td>
<td>NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*SKIN NOTATION: Listed substances indicated with "V" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

**SOURCE OF EXPOSURE LIMIT DATA:**
- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

### 8. Health Hazard Data

**EYE CONTACT:**
Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

Dust created by cutting, grinding, sanding, or machining may cause eye irritation.

**SKIN CONTACT:**
Mechanical skin irritation: signs/symptoms can include itching and redness.

**INHALATION:**
Irritation (upper respiratory): signs/symptoms can include soreness

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8. HEALTH HAZARD DATA (continued)

of the nose and throat, coughing and sneezing.

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system.

IF SWALLOWED:
Ingestion is not a likely route of exposure to this product.

OTHER HEALTH HAZARD INFORMATION:
This product, when used under reasonable conditions or in accordance with the 3M directions for use, should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the product’s directions for use may affect the performance of the product and may present potential health and safety hazards.

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