

MATERIAL SAFETY TM
DATA SHEET 3M Center
 St. Paul, Minnesota
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DIVISION: SURFACE CONDITIONING DIVISION

TRADE NAME:

SCOTCH BRIT® Handpads - 5440, 5444, 5448, 7440, 7446, 7447, 7448,
7449, 7745, 7747, 7748, 7777, 8447

ISSUED: June 28, 2001

SUPERSEDES: June 22, 2001

DOCUMENT: 06-5461-6

1. INGREDIENT	C.A.S. NO.		PERCENT
SILICON CARBIDE GR.....	407-21-2	10	- 75
ALUMINUM OXIDE.....	1344-28-1	10	- 75
CURED ADHESIVE.....	Unknown	5	- 45
NYLON FIBERS OR WEB.....	Unknown	5	- 40
CALCIUM CARBONATE.....	1217-85-2	2	- 30

2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENS TY:..... N/A
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... N/A
SPECIFIC GRAVITY:..... N/A
PERCENT VOLATILE:..... N/A
pH:..... N/A
VISCOSITY:..... N/A
MELTING POINT:..... N/A

APPEARANCE AND ODOR:

Nonwoven fibrous handpad impregnated with abrasive particles which
are bonded together with cured resinous binders.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE:..... N/A

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not applicable.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 2 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

COMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Not applicable.

HAZARDOUS POLYMERIZATION: 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.

Abbreviations: N/D Not Determined N/A Not Applicable CA - Approximately

MSDS: SCOTCH BRITE(TM) Handpads - 5440, 6444, 6446, 7440, 7446, 7447, 7448,
7449, 7745, 7747, 7748, 7773, 8447
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5. ENVIRONMENTAL INFORMATION (continued)

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).

EPHA 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.

WHEN IN GUN:

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

IF SWALLOWED:

Not applicable.

OTHER FIRST AID INFORMATION:

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.

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7. PRECAUTIONARY INFORMATION (continued)

SKIN PROTECTION:

Not applicable.

RECOMMENDED VENTILATION:

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 NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: 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.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	NOTE	SKIN*
SILICON CARBIDE GR.....	10	MG/M3	TWA	ACGIH	
SILICON CARB GR. GR.....	10	MG/M3	TWA	OSHA	
		AS DUST			
		OSHA VACATED PEL			
SILICON CARB GR. GR.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
SILICON CARBIDE GR.....	5	MG/M3	TWA	OSHA	
		RESPIRABLE			
ALUMINUM OXIDE.....	1.0	FIBER/CC	TWA	ACGIH	
ALUMINUM OXIDE.....	1.0	FIBER/CC	TWA	OSHA	
		PROPOSED			
ALUMINUM OXIDE.....	10	MG/M3	TWA	OSHA	
		AS DUST			
		OSHA VACATED PEL			
ALUMINUM OXIDE.....	10	MG/M3	TWA	ACGIH	
		as Al			
ALUMINUM OXIDE.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
ALUMINUM OXIDE.....	5	MG/M3	TWA	OSHA	

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
RESPIRABLE					
CURED ADHESIVE.....	NONE	NONE	NONE	NONE	
NYLON FIBERS OR WEB.....	NONE	NONE	NONE	NONE	
CALCIUM CARBONATE.....	10	MG/ME	TWA	ACGIH	
CALCIUM CARBONATE.....	15	MG/MS	TWA	OSHA	
AS TOTAL DUST					
CALCIUM CARBONATE.....	5	MG/ME	TWA	OSHA	
RESPIRABLE					

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by absorption 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
- CMFG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHA: Occupational Safety and Health Administration Varied PEL. Varied Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- NONE: None Established

A. HEALTH HAZARD DATA

EYE CONTACT:

Eye contact is not expected to occur during normal use of the product.

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:

No adverse health effects are expected from skin contact.

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

INHALATION:

No adverse health effects are expected from inhalation exposure.

Dust from cutting, grinding, sanding or machining may cause

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A. HEALTH HAZARD DATA (continued)

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.

SECTION CHANGE DATES

REVISION	SECTION CHANGED SINCE June 22, 2001	REASON
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