

3M

MATERIAL SAFETY DATA SHEET

3M(TM) SCOTCH-BRITE HAND PADS, 5440, 7449

10/11/2004

3M

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-----SECTION 1: PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME: 3M(TM) SCOTCH-BRITE HAND PADS, 5440, 7449

MANUFACTURER: 3M

DIVISION: COATED ABRASIVES DIVISION

ADDRESS:

3M CENTER

ST. PAUL, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 OR (651) 737-6501 (24 HOURS)

ISSUE DATE: 10/11/2004

SUPERCEDES DATE: 06/26/2001

DOCUMENT GROUP: 06-5461-6

PRODUCT USE:

INTENDED USE: ABRASIVE PRODUCT

-----SECTION 2: INGREDIENTS -----

INGREDIENT	C.A.S. NO.	% BY WT
ALUMINUM OXIDE MINERAL	1344-28-1	20 - 65
CURED ADHESIVE	UNKNOWN	5 - 45
NYLON FIBERS	UNKNOWN	5 - 40
FILLER	1317-65-3	0 - 30

-----SECTION 3: HAZARDS IDENTIFICATION -----

3.1 EMERGENCY OVERVIEW:

ODOR, COLOR, GRADE: SOLID ABRASIVE PRODUCT

GENERAL PHYSICAL FORM: SOLID

IMMEDIATE HEALTH, PHYSICAL, AND ENVIRONMENTAL HAZARDS:
THE ENVIRONMENTAL PROPERTIES OF THIS PRODUCT PRESENT A LOW ENVIRONMENTAL HAZARD. THIS DOCUMENT COVERS ONLY THE 3M PRODUCT. FOR COMPLETE ASSESSMENT, WHEN DETERMINING THE DEGREE OF HAZARD, THE MATERIAL BEING ABRADED MUST ALSO BE CONSIDERED.

3.2 POTENTIAL HEALTH EFFECTS:

EYE CONTACT:
MECHANICAL EYE IRRITATION:
SIGNS/SYMPTOMS MAY INCLUDE PAIN, REDNESS, TEARING AND CORNEAL ABRASION.

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.

SKIN CONTACT:
MECHANICAL SKIN IRRITATION:
SIGNS/SYMPTOMS MAY INCLUDE ABRASION, REDNESS, PAIN, AND ITCHING.

INHALATION:
DUST FROM CUTTING, GRINDING, SANDING OR MACHINING MAY CAUSE IRRITATION OF

THE RESPIRATORY SYSTEM. SIGNS/SYMPTOMS MAY INCLUDE COUGH, SNEEZING, NASAL DISCHARGE, HEADACHE, HOARSENESS, AND NOSE AND THROAT PAIN.

PROLONGED OR REPEATED EXPOSURE MAY CAUSE:

PNEUMOCONIOSIS:

SIGN/SYMPTOMS MAY INCLUDE PERSISTENT COUGH, BREATHLESSNESS, CHEST PAIN, INCREASED AMOUNTS OF SPUTUM, AND CHANGES IN LUNG FUNCTION TESTS.

INGESTION:

PHYSICAL BLOCKAGE:

SIGNS/SYMPTOMS MAY INCLUDE CRAMPING, ABDOMINAL PAIN, AND CONSTIPATION.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS:

THIS SUBSTANCE DOES NOT LEACH METALS OR OTHER RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED TCLP (TOXIC CHARACTERISTIC LEACHING PROCEDURE) HAZARDOUS SUBSTANCES AT CONCENTRATIONS THAT WOULD MAKE THE PRODUCT A HAZARDOUS WASTE.

-----SECTION 4: FIRST AID MEASURES -----

4.1 FIRST AID PROCEDURES:

THE FOLLOWING FIRST AID RECOMMENDATIONS ARE BASED ON AN ASSUMPTION THAT APPROPRIATE PERSONAL AND INDUSTRIAL HYGIENE PRACTICES ARE FOLLOWED.

EYE CONTACT:

FLUSH EYES WITH LARGE AMOUNTS OF WATER. IF SIGNS/SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

SKIN CONTACT:

WASH AFFECTED AREA WITH SOAP AND WATER. IF SIGNS/SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.

INHALATION:

REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.

IF SWALLOWED:

DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO SO BY MEDICAL PERSONNEL. GIVE VICTIM TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION. NO NEED FOR FIRST AID IS ANTICIPATED.

-----SECTION 5: FIRE FIGHTING MEASURES -----

5.1 FLAMMABLE PROPERTIES:

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

FLAMMABLE LIMITS - LEL: NOT APPLICABLE

FLAMMABLE LIMITS - UEL: NOT APPLICABLE

5.2 EXTINGUISHING MEDIA:

ORDINARY COMBUSTIBLE MATERIAL. USE FIRE EXTINGUISHERS WITH CLASS A EXTINGUISHING AGENTS (E.G., WATER, FOAM).

5.3 PROTECTION OF FIRE FIGHTERS:

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR FULL PROTECTIVE EQUIPMENT (BUNKER GEAR) AND A SELF-CONTAINED BREATHING APPARATUS (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE INHERENT IN THIS PRODUCT. NOT APPLICABLE.

NOTE:

SEE STABILITY AND REACTIVITY (SECTION 10) FOR HAZARDOUS COMBUSTION AND THERMAL DECOMPOSITION INFORMATION.

-----SECTION 6: ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES: NOT APPLICABLE.

IN THE EVENT OF A RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE QUALIFIES AS REPORTABLE ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

-----SECTION 7: HANDLING AND STORAGE -----

7.1 HANDLING:

DAMAGED PRODUCT CAN BREAK APART DURING USE AND CAUSE SERIOUS INJURY TO FACE OR EYES. CHECK PRODUCT FOR DAMAGE SUCH AS CRACKS OR NICKS PRIOR TO USE. REPLACE IF DAMAGED. ALWAYS WEAR EYE AND FACE PROTECTION WHEN WORKING AT SANDING OR GRINDING OPERATIONS OR WHEN NEAR SUCH OPERATIONS. SPARKS AND PARTICLES FLYING FROM THE PRODUCT DURING SANDING OR GRINDING CAN CAUSE

INJURY AND FIRE. AVOID BREATHING OF DUST CREATED BY CUTTING, SANDING, GRINDING OR MACHINING. FOR INDUSTRIAL OR PROFESSIONAL USE ONLY.

7.2 STORAGE: STORE IN A COOL, DRY PLACE.

-----SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION -----

8.1 ENGINEERING CONTROLS:
PROVIDE APPROPRIATE LOCAL EXHAUST FOR CUTTING, GRINDING, SANDING OR MACHINING. USE GENERAL DILUTION VENTILATION AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE EXPOSURES TO BELOW OCCUPATIONAL EXPOSURE LIMITS AND/OR CONTROL DUST, FUME, OR AIRBORNE PARTICLES. IF VENTILATION IS NOT ADEQUATE, USE RESPIRATORY PROTECTION EQUIPMENT. USE PARTICULATE COLLECTION SYSTEMS.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE):

8.2.1 EYE/FACE PROTECTION:
AVOID EYE CONTACT. TO MINIMIZE THE RISK OF INJURY TO FACE AND EYES, ALWAYS WEAR EYE AND FACE PROTECTION WHEN WORKING AT SANDING OR GRINDING OPERATIONS OR WHEN NEAR SUCH OPERATIONS.

8.2.2 SKIN PROTECTION:
WEAR APPROPRIATE GLOVES TO MINIMIZE RISK OF INJURY TO SKIN FROM CONTACT WITH DUST OR PHYSICAL ABRASION FROM GRINDING OR SANDING. AVOID SKIN CONTACT.

8.2.3 RESPIRATORY PROTECTION:
ASSESS EXPOSURE CONCENTRATIONS OF ALL MATERIALS INVOLVED IN THE WORK PROCESS. CONSIDER MATERIAL BEING ABRADED WHEN DETERMINING THE APPROPRIATE RESPIRATORY PROTECTION. SELECT AND USE APPROPRIATE RESPIRATORS TO PREVENT INHALATION OVEREXPOSURE. AVOID BREATHING OF DUST CREATED BY CUTTING, SANDING, GRINDING OR MACHINING.

8.2.4 PREVENTION OF SWALLOWING:
NOT AN EXPECTED ROUTE OF EXPOSURE. WASH HANDS AFTER HANDLING AND BEFORE EATING.

8.3 EXPOSURE GUIDELINES:

INGREDIENT	AUTHORITY	TYPE	LIMIT	ADDITIONAL
		INFORMATION		
ALUMINUM OXIDE MINERAL PARTICULATE MATTER, <1% CRYSTALLINE	ACGIH	TWA,	10 MG/M3	TABLE A4

SILICA

ALUMINUM OXIDE MINERAL	CMRG	TWA	1 FIBER/CC	
ALUMINUM OXIDE MINERAL RESPIRABLE	OSHA	TWA,	5 MG/M3	TABLE Z-1
ALUMINUM OXIDE MINERAL AS DUST	OSHA	TWA, VACATED,	10 MG/M3	
ALUMINUM OXIDE MINERAL TOTAL DUST	OSHA	TWA, AS	15 MG/M3	TABLE Z-1
FILLER	ACGIH	TWA	10 MG/M3	
FILLER	OSHA	TWA, RESPIRABLE	5 MG/M3	TABLE Z-1
FILLER	OSHA	TWA, AS TOTAL DUST	15 MG/M3	TABLE Z-1

VAC VACATED PEL:

VACATED PERMISSIBLE EXPOSURE LIMITS (PEL) ARE ENFORCED AS THE OSHA PEL IN SOME STATES. CHECK WITH YOUR LOCAL REGULATORY AGENCY.

SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

CMRG: CHEMICAL MANUFACTURER RECOMMENDED GUIDELINE

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

AIHA:

AMERICAN INDUSTRIAL HYGIENE ASSOCIATION WORKPLACE ENVIRONMENTAL EXPOSURE LEVEL (WEEL)

-----SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES -----

ODOR, COLOR, GRADE: SOLID ABRASIVE PRODUCT

GENERAL PHYSICAL FORM: SOLID

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

FLAMMABLE LIMITS - LEL: NOT APPLICABLE
FLAMMABLE LIMITS - UEL: NOT APPLICABLE

BOILING POINT: NOT APPLICABLE

VAPOR DENSITY: NOT APPLICABLE

VAPOR PRESSURE: NOT APPLICABLE

SPECIFIC GRAVITY: NOT APPLICABLE

pH: NOT APPLICABLE

MELTING POINT: NOT APPLICABLE

SOLUBILITY IN WATER: NOT APPLICABLE

-----SECTION 10: STABILITY AND REACTIVITY -----

STABILITY: STABLE.

MATERIALS AND CONDITIONS TO AVOID: NOT APPLICABLE

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

SUBSTANCE	CONDITION
CARBON MONOXIDE	DURING COMBUSTION
CARBON DIOXIDE	DURING COMBUSTION

HAZARDOUS DECOMPOSITION:
UNDER RECOMMENDED USAGE CONDITIONS, HAZARDOUS DECOMPOSITION PRODUCTS ARE NOT EXPECTED. HAZARDOUS DECOMPOSITION PRODUCTS MAY OCCUR AS A RESULT OF OXIDATION, HEATING, OR REACTION WITH ANOTHER MATERIAL.

-----SECTION 11: TOXICOLOGICAL INFORMATION -----

PLEASE CONTACT THE ADDRESS LISTED IN THE SECTION 1 OF THIS MSDS FOR TOXICOLOGICAL INFORMATION ON THIS MATERIAL AND/OR ITS COMPONENTS.

-----SECTION 12: ECOLOGICAL INFORMATION -----

ECOTOXICOLOGICAL INFORMATION: NOT DETERMINED.

CHEMICAL FATE INFORMATION: NOT DETERMINED.

-----SECTION 13: DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL METHOD:

THE SUBSTRATE THAT WAS ABRADED MUST BE CONSIDERED AS A FACTOR IN THE DISPOSAL METHOD FOR THIS PRODUCT. DISPOSE OF WASTE PRODUCT IN A SANITARY LANDFILL. AS A DISPOSAL ALTERNATIVE, INCINERATE IN AN INDUSTRIAL OR COMMERCIAL FACILITY.

SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL.

-----SECTION 14: TRANSPORT INFORMATION -----

PLEASE CONTACT THE EMERGENCY NUMBERS LISTED IN THE SECTION 1 OF THIS MSDS FOR TRANSPORTATION INFORMATION FOR THIS MATERIAL.

-----SECTION 15: REGULATORY INFORMATION -----

US FEDERAL REGULATIONS: CONTACT 3M FOR MORE INFORMATION.

311/312 HAZARD CATEGORIES:

FIRE HAZARD: NO

PRESSURE HAZARD: NO

REACTIVITY HAZARD: NO

IMMEDIATE HAZARD: YES

DELAYED HAZARD: YES

STATE REGULATIONS: CONTACT 3M FOR MORE INFORMATION.

CHEMICAL INVENTORIES:

THIS PRODUCT IS AN ARTICLE AS DEFINED BY TSCA REGULATIONS, AND IS EXEMPT FROM TSCA INVENTORY LISTING REQUIREMENTS.

CONTACT 3M FOR MORE INFORMATION.

INTERNATIONAL REGULATIONS: CONTACT 3M FOR MORE INFORMATION.

THIS MSDS HAS BEEN PREPARED TO MEET THE U.S. OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

-----SECTION 16: OTHER INFORMATION -----

NFPA HAZARD CLASSIFICATION:

HEALTH 1
FLAMMABILITY 0
REACTIVITY 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.

NO REVISION INFORMATION IS AVAILABLE.

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