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B A R N E S D I S T R I B U T I O N

Synonyms: KP84402

3M

MATERIAL SAFETY DATA SHEET

3M(TM) IMPERIAL FIBRE DISC, 3M(TM) IMPERIAL ROLOC DISC, 988R

03/29/2006

3M

MATERIAL SAFETY DATA SHEET

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

PRODUCT NAME: 3M(TM) IMPERIAL FIBRE DISC, 3M(TM) IMPERIAL ROLOC DISC, 988R

MANUFACTURER: 3M

DIVISION: ABRASIVES SYSTEMS DIVISION

ADDRESS:

3M CENTER

ST. PAUL, MN 55144-1000

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

ISSUE DATE: 03/29/2006

SUPERCEDES DATE: 02/01/2006

DOCUMENT GROUP: 08-4489-4

PRODUCT USE:

SPECIFIC USE: ABRASIVE PRODUCT

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

INGREDIENT	C.A.S. NO.	% BY WT
CUBITRON(TM) MINERAL	66402-68-4	40 - 60

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FIBRE BACKING OR NYLON ROLOC BUTTON	NONE	20 - 40
CURED ADHESIVE	NONE	2 - 12
INORGANIC FLUORIDE	15096-52-3	5 - 10
FILLER	1317-65-3	5 - 10
TITANIUM DIOXIDE	13463-67-7	<2

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

3.1 EMERGENCY OVERVIEW:

ODOR, COLOR, GRADE: SOLID ABRASIVE PRODUCT

GENERAL PHYSICAL FORM: SOLID

IMMEDIATE HEALTH, PHYSICAL, AND ENVIRONMENTAL HAZARDS:

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.

DUST FROM CUTTING, GRINDING, SANDING OR MACHINING MAY CAUSE TARGET ORGAN EFFECTS.

INGESTION: NO HEALTH EFFECTS ARE EXPECTED.

TARGET ORGAN EFFECTS:

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PROLONGED OR REPEATED EXPOSURE MAY CAUSE:

HARD TISSUE EFFECTS:

SIGNS/SYMPTOMS MAY INCLUDE COLOR CHANGES IN THE TEETH AND NAILS; CHANGES IN DEVELOPMENT OF BONE, TEETH OR NAILS; WEAKENING OF THE BONES; AND/OR HAIR LOSS.

-----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: 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:

NOT APPLICABLE. NONE INHERENT IN THIS PRODUCT.

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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:

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

7.2 STORAGE: STORE IN A COOL, DRY PLACE.

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

8.1 ENGINEERING CONTROLS:

USE WITH APPROPRIATE LOCAL EXHAUST VENTILATION. 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.

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:

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

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8.2.3 RESPIRATORY PROTECTION:

AVOID BREATHING OF DUST CREATED BY CUTTING, SANDING, GRINDING OR MACHINING.
AVOID BREATHING OF DUST CREATED BY SANDING, GRINDING OR MACHINING. 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.

8.2.4 PREVENTION OF SWALLOWING: WASH HANDS AFTER HANDLING AND BEFORE EATING.

8.3 EXPOSURE GUIDELINES:

INGREDIENT	AUTHORITY	TYPE	LIMIT	ADDITIONAL INFORMATION
FLUORIDES	ACGIH	TWA, AS F	2.5 MG/M3	TABLE A4
FLUORIDES	OSHA	TWA, AS F	2.5 MG/M3	TABLE Z-1A
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
TITANIUM DIOXIDE	ACGIH	TWA	10 MG/M3	TABLE A4
TITANIUM DIOXIDE	CMRG	TWA, AS RESPIRABLE DUST	5 MG/M3	
TITANIUM DIOXIDE	OSHA	TWA, VACATED, AS DUST	10 MG/M3	
TITANIUM DIOXIDE	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 -----

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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
HYDROGEN FLUORIDE	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 -----

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PLEASE CONTACT THE ADDRESS LISTED IN THE BEGINNING 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. COMBUSTION PRODUCTS WILL INCLUDE HF. FACILITY MUST BE CAPABLE OF HANDLING HALOGENATED MATERIALS.

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

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

PLEASE CONTACT THE EMERGENCY NUMBERS LISTED IN THE BEGINNING 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: NO

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

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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.

REVISION CHANGES:

SECTION 3: POTENTIAL EFFECTS FROM EYE CONTACT WAS MODIFIED.

SECTION 3: POTENTIAL EFFECTS FROM INHALATION INFORMATION WAS MODIFIED.

SECTION 3: IMMEDIATE OTHER HAZARD(S) WAS MODIFIED.

SECTION 2: INGREDIENT TABLE WAS MODIFIED.

SECTION 8: EXPOSURE GUIDELINES INGREDIENT INFORMATION WAS MODIFIED.

SECTION 3: CARCINOGENICITY HEADING WAS DELETED.

SECTION 4:

FIRST AID FOR INGESTION (SWALLOWING) - DECONTAMINATION - WAS DELETED.

SECTION 4:

FIRST AID FOR INGESTION (SWALLOWING) - INTERVENTION - WAS DELETED.

SECTION 4:

FIRST AID FOR INGESTION (SWALLOWING) - MEDICAL ASSISTANCE - WAS DELETED.

SECTION 3: CARCINOGENICITY PHRASE WAS DELETED.

SECTION 3: CARCINOGENICITY TABLE WAS DELETED.

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GIVEN THE VARIETY OF FACTORS THAT CAN AFFECT THE USE AND APPLICATION OF A 3M PRODUCT, SOME OF WHICH ARE UNIQUELY WITHIN THE USER'S KNOWLEDGE AND CONTROL, IT IS ESSENTIAL THAT THE USER EVALUATE THE 3M PRODUCT TO DETERMINE WHETHER IT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR USER'S METHOD OF USE OR APPLICATION.

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