

BARNES DISTRIBUTION

Synonyms: 07450 07453 07455 07480 07482 07485

MATERIAL SAFETY DATA SHEET

3M(TM) SCOTCH-BRITE(TM) SURFACE CONDITIONING PRODUCTS - ACRS (DISCS (INCLUDES ROLOC(TM) TN, TP, TR, TS, TSM), SHEETS, ROLLS, SCRIM BELTS, BELTS)

09/06/11

3M

MATERIAL SAFETY DATA SHEET

COPYRIGHT, 2011, 3M COMPANY ALL RIGHTS RESERVED. COPYING AND/OR DOWNLOADING OF THIS INFORMATION FOR THE PURPOSE OF PROPERLY UTILIZING 3M PRODUCTS IS ALLOWED PROVIDED THAT:

(1) THE INFORMATION IS COPIED IN FULL WITH NO CHANGES UNLESS PRIOR WRITTEN AGREEMENT IS OBTAINED FROM 3M, AND

(2) NEITHER THE COPY NOR THE ORIGINAL IS RESOLD OR OTHERWISE DISTRIBUTED WITH THE INTENTION OF EARNING A PROFIT THEREON.

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

PRODUCT NAME:

3M(TM) SCOTCH-BRITE(TM) SURFACE CONDITIONING PRODUCTS - ACRS (DISCS (INCLUDES ROLOC(TM), TN, TP, TR, TS, TSM), SHEETS, ROLLS, SCRIM BELTS, BELTS)

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: 09/06/11

SUPERCEDES DATE: 08/22/11

DOCUMENT GROUP: 24-2516-3

PRODUCT USE:

INTENDED USE: ABRASIVE PRODUCT

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

INGREDIENT

C.A.S. NO.

% BY WT

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

ALUMINUM OXIDE MINERAL	1344-28-1	15 - 35
FILLER	1317-65-3	2 - 5
ADDITIVE	13463-67-7	<2
NYLON FIBER BACKING	MIXTURE	5 - 15
CURED RESIN	MIXTURE	20 - 40
NYLON SCRIM	NONE	3 - 7
ROLOC(TM) TN, TP, TR, OR TS METAL ATTACHMENT	NONE	0 - 5

-----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 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 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.

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

INGESTION: NO HEALTH EFFECTS ARE EXPECTED.

-----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.

NOTE:

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

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

BARNES DISTRIBUTION

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
NOT APPLICABLE.

6.2. ENVIRONMENTAL PRECAUTIONS:
PLACE IN A CONTAINER APPROVED FOR TRANSPORTATION BY APPROPRIATE AUTHORITIES,
BUT DO NOT SEAL THE CONTAINER FOR 48 HOURS TO AVOID PRESSURE BUILD-UP.

CLEAN-UP METHODS: 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:

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. AVOID EYE CONTACT WITH DUST OR
AIRBORNE PARTICLES. AVOID BREATHING OF DUST CREATED BY SANDING, GRINDING OR
MACHINING. 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:

PROVIDE VENTILATION ADEQUATE TO CONTROL DUST CONCENTRATIONS BELOW
RECOMMENDED EXPOSURE LIMITS AND/OR CONTROL DUST. 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. PROVIDE APPROPRIATE LOCAL EXHAUST VENTILATION FOR SANDING,
GRINDING OR MACHINING.

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.

THE FOLLOWING EYE PROTECTION(S) ARE RECOMMENDED:
SAFETY GLASSES WITH SIDE SHIELDS.

8.2.2 SKIN PROTECTION:

AVOID SKIN CONTACT. SELECT AND USE GLOVES AND/OR PROTECTIVE CLOTHING TO

BARNES DISTRIBUTION

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.

8.2.3 RESPIRATORY PROTECTION:

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.

SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF FACEPIECE OR FULLFACE AIR-PURIFYING RESPIRATOR WITH N95 PARTICULATE FILTERS.

SELECT AND USE RESPIRATORY PROTECTION TO PREVENT AN INHALATION EXPOSURE BASED ON THE RESULTS OF AN EXPOSURE ASSESSMENT. CONSULT WITH YOUR RESPIRATOR MANUFACTURER FOR SELECTION OF APPROPRIATE TYPES OF RESPIRATORS.

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	CMRG	TWA	1 FIBER/CC	
ALUMINUM OXIDE MINERAL	OSHA	TWA, RESPIRABLE FRACTION	5 MG/M3	
ALUMINUM OXIDE MINERAL	OSHA	TWA, AS TOTAL DUST	15 MG/M3	
FILLER	OSHA	TWA, RESPIRABLE FRACTION	5 MG/M3	
FILLER	OSHA	TWA, AS TOTAL DUST	15 MG/M3	
PETROLEUM DISTILLATES	OSHA	TWA	2000 MG/M3	
ADDITIVE	ACGIH	TWA	10 MG/M3	
ADDITIVE	CMRG	TWA, AS RESPIRABLE DUST	5 MG/M3	

ADDITIVE OSHA BARNES DISTRIBUTION
TWA, AS TOTAL DUST 15 MG/M3

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

DENSITY: NOT APPLICABLE

VAPOR DENSITY: NOT APPLICABLE

VAPOR PRESSURE: NOT APPLICABLE

SPECIFIC GRAVITY: NO DATA AVAILABLE

pH: NOT APPLICABLE

MELTING POINT: NO DATA AVAILABLE

SOLUBILITY IN WATER: NOT APPLICABLE

EVAPORATION RATE: NOT APPLICABLE

KOW - OCT/WATER PARTITION COEF: NOT APPLICABLE

VISCOSITY: NOT APPLICABLE

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

BARNES DISTRIBUTION

STABILITY: STABLE.

MATERIALS AND CONDITIONS TO AVOID:

10.1 CONDITIONS TO AVOID: NONE KNOWN

10.2 MATERIALS TO AVOID: NONE KNOWN

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 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 IN THE PRESENCE OF A COMBUSTIBLE MATERIAL.

EPA HAZARDOUS WASTE NUMBER (RCRA): NOT REGULATED

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

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

BARNES DISTRIBUTION

NOT REGULATED PER U.S. DOT, IATA OR IMO.

THESE TRANSPORTATION CLASSIFICATIONS ARE PROVIDED AS A CUSTOMER SERVICE. AS THE SHIPPER YOU REMAIN RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LAWS AND REGULATIONS, INCLUDING PROPER TRANSPORTATION CLASSIFICATION AND PACKAGING. 3M TRANSPORTATION CLASSIFICATIONS ARE BASED ON PRODUCT FORMULATION, PACKAGING, 3M POLICIES AND 3M UNDERSTANDING OF APPLICABLE CURRENT REGULATIONS. 3M DOES NOT GUARANTEE THE ACCURACY OF THIS CLASSIFICATION INFORMATION. THIS INFORMATION APPLIES ONLY TO TRANSPORTATION CLASSIFICATION AND NOT THE PACKAGING, LABELING, OR MARKING REQUIREMENTS. THE ORIGINAL 3M PACKAGE IS CERTIFIED FOR U.S. GROUND SHIPMENT ONLY. IF YOU ARE SHIPPING BY AIR OR OCEAN, THE PACKAGE MAY NOT MEET APPLICABLE REGULATORY REQUIREMENTS.

-----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 1
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

BARNES DISTRIBUTION

THE TOXIC PROPERTIES OF COMBUSTION OR DECOMPOSITION PRODUCTS THAT ARE KNOWN TO BE GENERATED IN SIGNIFICANT QUANTITIES.

REVISION CHANGES: NOT APPLICABLE

DISCLAIMER:

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET (MSDS) IS BELIEVED TO BE CORRECT AS OF THE DATE ISSUED. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. USER IS RESPONSIBLE FOR DETERMINING WHETHER THE 3M PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR USER'S METHOD OF USE OR APPLICATION. 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.

3M PROVIDES INFORMATION IN ELECTRONIC FORM AS A SERVICE TO ITS CUSTOMERS. DUE TO THE REMOTE POSSIBILITY THAT ELECTRONIC TRANSFER MAY HAVE RESULTED IN ERRORS, OMISSIONS OR ALTERATIONS IN THIS INFORMATION, 3M MAKES NO REPRESENTATIONS AS TO ITS COMPLETENESS OR ACCURACY. IN ADDITION, INFORMATION OBTAINED FROM A DATABASE MAY NOT BE AS CURRENT AS THE INFORMATION IN THE MSDS AVAILABLE DIRECTLY FROM 3M

3M USA MSDSS ARE AVAILABLE AT WWW.3M.COM

02M-D