

ORDER NO:                      RELEASE NO:                      MSDS NO:

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

Synonyms: -842331-10 -842332-10 -842333-10 -842431-10 -842432-10 -842433-10 07451  
07453 07455 07456 07457 07480 07481 07482 07483 07485 07486 276301 276302  
276303 276401 276403 842331 842332 842333 842431 842432 842433 845614 845811  
845812 845814

MATERIAL SAFETY DATA SHEET  
SURFACE CONDITIONING HOOK AND LOOP DISCS

-----SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

MSDS Name: SURFACE CONDITIONING HOOK AND LOOP DISCS

Product CAS: (none)

Product Code:

Synonyms: -842331-10; -842332-10; -842333-10; -842431-10; -842432-10; -842433-10; 07451-07457; 0  
07486; 276301; 276302; 276303; 276401; 276403; 842331; 842332; 842333; 842431; 842432; 842433; 8  
845811; 845812; 845814; C21541-C21543; SURFACE CONDITIONING HOOK AND LOOP DISCS

Company Identification:

Name: 3M

Address: 3M Center

Address:

City: St. Paul State: MN Zip: 55144-1000

For information, call: HEALTH ISSUES AND TECHNICAL INFORMATION (8AM-5PM ET): 1-216-416-  
7200 X 5860

Emergency Number: ROCKY MOUNTAIN POISON CONTROL CENTER (24 HOURS EVERYDAY): 1-303-  
623-5716

Emergency Agency: CHEMTREC (24 HOURS EVERYDAY):

Number: 1-800-424-9300

MSDS Creation Date: 1/1/2005

Supersedes Date: 1/1/2003

-----SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS -----

Chemical Name	CAS	MIN	MAX
ALUMINUM OXIDE, NON-FIBROUS	1344-28-1	0	75
SILICON CARBIDE	409-21-2	0	75
NYLON FIBERS	(none)	5	30
CURED ADHESIVE RESIN	(none)	10	50

Miscellaneous:

HAZARDOUS INGREDIENTS

INGREDIENTS

ALUMINUM OXIDE, NON-FIBROUS\* (CAS NUMBER: 1344-28-1\*\*)

SILICON CARBIDE\*

NYLON FIBERS (CAS NUMBER: NONE)

CURED ADHESIVE RESIN (CAS NUMBER: NONE)

\*MATERIALS REGULATED BY OSHA 29 CFR 1910.1200 HAZARD COMMUNICATION  
STANDARD.

\*\*THE EPA HAS DESIGNATED THAT NON-FIBROUS FORMS OF ALUMINUM OXIDE ARE  
NOT

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A TOXIC CHEMICAL UNDER SECTION 313 OF SARA.

NOTE: THE MANUFACTURER REGARDS THESE PRODUCTS AS "ARTICLE" AS DEFINED IN THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. THE USE OF APPROVED RESPIRATORS, VENTILATION EQUIPMENT, FACE AND HAND PROTECTION IS RECOMMENDED FOR THE SAFE USE OF THESE PRODUCTS.

DEFINITION OF "ARTICLE" PER 29 CFR 1910.1200 7/1/88 EDITION: "ARTICLE" MEANS MANUFACTURED ITEM: (I) WHICH IS FORMED TO A SPECIFIC SHAPE OR DESIGN DURING MANUFACTURE; (II) WHICH HAS END USE FUNCTION(S) DEPENDENT IN WHOLE OR PART UPON ITS SHAPE OR DESIGN DURING END USE; AND (III) WHICH DOES NOT RELEASE, OR OTHERWISE RESULT IN EXPOSURE TO A HAZARDOUS CHEMICAL UNDER NORMAL CONDITIONS OF USE.

NOTE: SEE BELOW FOR EXPOSURE LIMIT DATA FOR THESE INGREDIENTS

EXPOSURE CONTROLS

INGREDIENT	OSHA PEL	ACGIH TLV	OTHER LIMITS
ALUMINUM OXIDE, NON-FIBROUS	15 MG/M3	10 MG/M3	N.E.
SILICON CARBIDE	15 MG/M3	10 MG/M3	N.E.
NYLON FIBERS	15 MG/M3	10 MG/M3	N.E.
CURED ADHESIVE RESINS	15 MG/M3	10 MG/M3	N.E.

Lbs of VOC per Gallon Coating (minus water): 0  
Coating Density (lbs/gal): 0  
Solvent Density (lbs/gal): 0  
Percent Solvent (volume): 0  
Percent Solids (volume): 0  
Percent Water (volume): 0

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

NFPA: Health: Fire: Reactivity: Other:  
HMIS: Health: 1 Fire: 0 Reactivity: 0 Special Protection: 0  
Miscellaneous:  
APPEARANCE AND ODOR: DISC, ROLL OR WHEEL IMPREGNATED WITH AN ABRASIVE MATERIAL.

HMIS AND NFPA HAZARD RATINGS:

CATEGORY	HMIS	NFPA
ACUTE HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0
PERSONAL PROT./SPECIFIC HAZ.	*	N.D.

\*SEE SECTION 8.

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# BARNES DISTRIBUTION

## POTENTIAL HEALTH EFFECTS

### Target Organs:

PRIMARY ROUTES OF EXPOSURE: INHALATION, INGESTION, SKIN CONTACT, EYES.

### Eye:

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE: DUST MAY IRRITATE EYES. OTHER POTENTIAL HEALTH RISKS: DURING USE ON SOME MATERIALS,

ELEVATED SOUND LEVELS MAY BE CREATED WHICH AFFECT HEARING.

### Skin:

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE: CONTACT & ABSORPTION: NOT ABSORBED THROUGH SKIN. MAY CAUSE ABRASIONS.

### Ingestion:

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE: (DUST) NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.

### Inhalation:

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE: (DURING USE): ACUTE - MAY CAUSE COUGHING (DUST), SHORTNESS OF BREATH.

CHRONIC: MAY AFFECT BREATHING CAPACITY.

### Miscellaneous:

OTHER POTENTIAL HEALTH RISKS: OBTAIN MEDICAL ASSISTANCE.

## -----SECTION 4 - FIRST AID MEASURES -----

### Eye:

CONTACT: WASH WITH LARGE AMOUNTS OF WATER. OBTAIN MEDICAL ASSISTANCE IF NEEDED.

### Skin:

CONTACT AND ABSORPTION: OBTAIN FIRST AID OR MEDICAL ASSISTANCE, IF NEEDED.

### Ingestion:

OBTAIN FIRST AID OR MEDICAL ASSISTANCE, IF NEEDED.

### Inhalation:

(DURING USE): REMOVE TO FRESH AIR. APPLY TO ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN FIRST AID OR MEDICAL ASSISTANCE.

Notes to Physician:

## -----SECTION 5 - FIRE FIGHTING MEASURES -----

### Unusual Fire and Explosion Hazards:

EXPLOSION POTENTIAL: N.A.

### Special Fire Fighting Procedures:

BACKINGS AND RESIN BINDER WILL BURN OR DECOMPOSE, USE RESPIRATORY PROTECTION.

FIRE FIGHTING PROCEDURES: BACKINGS AND CURED RESIN WILL BURN OR DECOMPOSE.

USE RESPIRATORY PROTECTION.

### Extinguishing Media:

N.A.

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Flash Point:

AND METHOD: N.A.

Flammable Limits:

Lower Limit:

N.A.

Upper Limit:

N.A.

AutoIgnition Temperature:

N.A.

General Information:

FLAMMABILITY LIMITS (%): N.A.

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

Disposal:

STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS.

Spills/Leaks:

NORMAL CLEANUP PROCEDURES.

-----SECTION 7 - HANDLING and STORAGE -----

Handling:

HANDLE WITH ADEQUATE VENTILATION. SEE OSHA 29 CFR 1910.94 (VENTILATION) AND OSHA 29 CFR 1910.100 (AIR CONTAMINANTS).

Storage:

HANDLE WITH ADEQUATE VENTILATION. SEE OSHA 29 CFR 1910.94 (VENTILATION) AND OSHA 29 CFR 1910.100 (AIR CONTAMINANTS). OSHA 29 CFR 1910.213(P) (SANDING MACHINES).

-----SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION -----

Engineering Controls:

VENTILATION:

LOCAL: RECOMMENDED.

MECHANICAL: RECOMMENDED.

OTHER: NO APPLICABLE INFORMATION FOUND.

Eyes:

RECOMMENDED. OSHA 29 CFR 1910.133 (FACE AND EYE PROTECTION).

Skin:

PROTECTIVE GLOVES AS DESIRED BY USER.

Clothing:

OTHER PROTECTIVE EQUIPMENT: AS NEEDED, HEARING PROTECTION OSHA 29 CFR 1910.215 (HEARING PROTECTION).

Respirators:

AS NEEDED, APPROVED DUST RESPIRATOR OSHA 29 CFR 1910.134.

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

Appearance/Odor:

DISC, ROLL OR WHEEL IMPREGNATED WITH AN ABRASIVE MATERIAL.

pH: N.A.

Vapor Pressure: N.A.

Vapor Density: (AIR = 1): N.A.

Evaporation Rate: (BUAC = 1): N.A.

Viscosity: N.A.

Boiling Point: N.A.

Freezing/Melting Point: FREEZING POINT: N.A.

Decomposition Temperature: N.A.

Solubility: IN WATER: INSOLUBLE

Specific Gravity: 1

Molecular Formula: N.A.

Molecular Weight: N.A.

Miscellaneous:

SPECIFIC GRAVITY (WATER = 1): N.A.

% VOLATILE BY WT: N.A.

VOC (% BY WT.): N.A.

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

Chemical Stability:

STABLE.

Conditions to Avoid:

STABILITY: NOT APPLICABLE.

POLYMERIZATION: N.A.

Incompatibilities with Other Materials:

NOT APPLICABLE.

Hazardous Decomposition Products:

IN USE DUST AND DECOMPOSING RESIN SYSTEM FUMES ARE GENERATED. IN MOST CASES, THE MATERIAL REMOVED FROM THE WORK PIECE WILL BE SIGNIFICANTLY GREATER THAN THE COATED ABRASIVE PRODUCT COMPONENTS.

Hazardous Polymerization:

WILL NOT OCCUR.

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

Toxicological Information:

CARCINOGENICITY:

NTP:NA

IARC MONOGRAPHS: N.A.

OSHA REGULATED: N.A.

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

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Ecological Information:  
NO DATA AVAILABLE.

-----SECTION 13 - OTHER PRECAUTIONS -----

Other Precautions:  
Work/Hygienic Practices:

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

Transportation Information:  
DOT SHIPPING NAME: NONE

HAZARD CLASS OR DIVISION: NONE

CARTON MARKINGS: NONE

IDENTIFICATION NUMBER: NONE

PACKING GROUP: NONE

LABELS: NONE  
Label Information:

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

Regulatory Information:  
SEE SECTION 2.

TSCA STATUS: EACH INGREDIENT IS EITHER LISTED ON, OR IS  
EXEMPT FROM LISTING ON THE TSCA INVENTORY.

NSR STATUS (CANADA): NOT DETERMINED.

SARA TITLE III:

HAZARD CATEGORIES:  
ACUTE HEALTH: YES  
CHRONIC HEALTH: NO  
FIRE HAZARD: NO  
PRESSURE HAZARD: NO

REPORTABLE INGREDIENTS:  
SECTION 313: NO

CERCLA RQ: N.A.

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-----SECTION 16 - ADDITIONAL INFORMATION -----

Additional Information:

N.A. - NOT APPLICABLE  
ESTABLISHED

N.D. - NOT DETERMINED

N.E. - NOT