

NORTON -- RESINOID BONDED GRINDING WHEELS
MATERIAL SAFETY DATA SHEET
NSN: 513000F009416
Manufacturer's CAGE: 44197
Part No. Indicator: B
Part Number/Trade Name: RESINOID BONDED GRINDING WHEELS

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General Information

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Company's Name: NORTON COMPANY
Company's Street: 1 NEW BOND ST
Company's P. O. Box: 15008
Company's City: WORCESTER
Company's State: MA
Company's Country: US
Company's Zip Code: 01615-0008
Company's Emerg Ph #: 508-795-5000
Company's Info Ph #: 508-795-5000
Record No. For Safety Entry: 002
Tot Safety Entries This Stk#: 002
Status: FE
Date MSDS Prepared: 11FEB92
Safety Data Review Date: 29JUL97
MSDS Preparer's Name: RONALD L KARBOWSKI
Preparer's Company: NORTON COMPANY
Preparer's St Or P. O. Box: 1 NEW BOND ST
Preparer's City: WORCESTER
Preparer's State: MA
Preparer's Zip Code: 01615-0008
MSDS Serial Number: BZBXF

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: ALUMINUM OXIDE, BAUXITE, ALUMINA, DIALUMINUM TRIOXIDE *97-2*
Ingredient Sequence Number: 01
Percent: 90
NIOSH (RTECS) Number: BD1200000
CAS Number: 1344-28-1
OSHA PEL: 15 MG/CUM TOTAL DUST
ACGIH TLV: 10 MG/CUM TOTAL DUST

Proprietary: NO
Ingredient: SILICON CARBIDE
Ingredient Sequence Number: 02
Percent: 90
NIOSH (RTECS) Number: VW0450000
CAS Number: 409-21-2
ACGIH TLV: 10 MG/CUM

Proprietary: NO
Ingredient: ZIRCONIA ALUMINA
Ingredient Sequence Number: 03
Percent: 90
NIOSH (RTECS) Number: 1004628ZA

Proprietary: NO
Ingredient: FLUORIDES
Ingredient Sequence Number: 04
Percent: 3
NIOSH (RTECS) Number: 1008795FL

Proprietary: NO
Ingredient: CALCIUM OXIDE; LIME
Ingredient Sequence Number: 05
Percent: 3
NIOSH (RTECS) Number: EW3100000
CAS Number: 1305-78-8
OSHA PEL: 5 MG/CUM
ACGIH TLV: 2 MG/CUM

Proprietary: NO
Ingredient: FIBERGLASS, FIBROUS (FIBER) GLASS, GLASS FIBERS *97-2*
Ingredient Sequence Number: 06
Percent: 10
NIOSH (RTECS) Number: LK3651000
OSHA PEL: 15 MG/CUM
ACGIH TLV: 10 MG/CUM
Other Recommended Limit: 3000000 FB/CUM

Proprietary: NO
Ingredient: CRYSTALLINE-QUARTZ SILICA, SILICA DUST (SUSPECTED HUMAN
CARCINOGEN BY IARC-GROUP 2A; SUSPECTED CARCINOGEN NTP) *97-2*
Ingredient Sequence Number: 07
Percent: <1
NIOSH (RTECS) Number: VV7330000
CAS Number: 14808-60-7
OSHA PEL: 10 MG/CUM %RESP SI02
ACGIH TLV: 0.1 MG/CUM RESP DUST
Other Recommended Limit: 0.05 MG/CUM (NIOSH)
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Physical/Chemical Characteristics

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Appearance And Odor: SOLID PRODUCT: MAY GIVE OFF ODOR IN USE
Specific Gravity: 2.4
Solubility In Water: SLIGHT
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Fire and Explosion Hazard Data

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Extinguishing Media: WATER
Special Fire Fighting Proc: NONE
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Reactivity Data

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Stability: YES
Hazardous Decomp Products: COOLANTS.
Hazardous Poly Occur: NO
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Health Hazard Data

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Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO

Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: INHALATION: MAY AFFECT BREATHING CAPACITY.
SKIN/EYES: IRRITATION. GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING.
Carcinogenicity - NTP: YES
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: SEE INGREDIENTS
Signs/Symptoms Of Overexp: COUGH, IRRITATION.
Med Cond Aggravated By Exp: PRE-EXISTING RESPIRATORY CONDITIONS.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. SKIN: WASH W/SOAP & WATER. EYES: WASH W/LARGE AMOUNTS OF WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: NORMAL CLEANUP PROCEDURES.
Waste Disposal Method: STANDARD LANDFILL METHODS IAW/FEDERAL, STATE & LOCAL REGULATIONS.
Precautions-Handling/Storing: USE ADEQUATE VENTILATION.

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Control Measures

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Respiratory Protection: AS NEEDED, FOR APPROVED DUST RESPIRATORS.
Ventilation: LOCAL/MECHANICAL (GENERAL): RECOMMENDED.
Protective Gloves: RECOMMENDED
Eye Protection: RECOMMENDED
Other Protective Equipment: HEARING PROTECTION AS NEEDED.
Suppl. Safety & Health Data: THE GRINDING WHEEL MAY BE COMPRISED OF ALPHA-ALUMINA #1344-28-1, SILICON CARBIDE #409-21-2, ZIRCONIA ALUMINA #10046282A.

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Transportation Data

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Disposal Data

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Label Data

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Label Required: YES
Label Status: G
Common Name: RESINOID BONDED GRINDING WHEELS
Special Hazard Precautions: INHALATION: MAY AFFECT BREATHING CAPACITY. SKIN/EYES: IRRITATION. GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING & MAY AGGRAVATE PREEXISTING RESPIRATORY CONDITIONS. COUGH, IRRITATION.
Label Name: NORTON CO
Label Street: 1 NEW BOND ST
Label P.O. Box: 15008
Label City: WORCESTER
Label State: MA
Label Zip Code: 01615-0008
Label Country: US
Label Emergency Number: 508-795-5000