

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

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General Information
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Item Name: ANY GRADE
Company's Name: NORTON CO
Company's Street: 1 NEW BOND ST
Company's City: WORCESTER
Company's State: MA
Company's Country: US
Company's Zip Code: 01615-0008
Company's Emerg Ph #: 508-795-2690/393-5847
Company's Info Ph #: 508-795-2690/795-5738
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Status: SE
Date MSDS Prepared: 17APR90
Safety Data Review Date: 28JAN94
MSDS Preparer's Name: THOMAS Z. RICHARDS
Preparer's Company: NORTON CO
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: BHGHY

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: ALUMINUM OXIDE, BAUXITE, ALUMINA, DIALUMINUM TRIOXIDE
Ingredient Sequence Number: 01
Percent: 80
NIOSH (RTECS) Number: BD1200000
CAS Number: 1344-28-1
OSHA PEL: 10 MG/CUM TOTAL DUST
ACGIH TLV: 10 MG/CUM TOTAL DUST

Proprietary: NO
Ingredient: SILICON CARBIDE
Ingredient Sequence Number: 02
Percent: 80
NIOSH (RTECS) Number: VW0450000
CAS Number: 409-21-2
OSHA PEL: 10 MG/CUM TOTAL DUST
ACGIH TLV: 10 MG/CUM TOTAL DUST

Proprietary: NO
Ingredient: FERROVANADIUM DUST
Ingredient Sequence Number: 03
Percent: 20
NIOSH (RTECS) Number: LK2900000
CAS Number: 12604-58-9
OSHA PEL: 1 MG/CUM
ACGIH TLV: 1 MG/CUM

Proprietary: NO
Ingredient: ACRYLONITRILE (SUSPECTED HUMAN CARCINOGEN BY IARC, ACGIH, NTP, OSHA)
Ingredient Sequence Number: 04
Percent: 20

NIOSH (RTECS) Number: AT5250000
CAS Number: 107-13-1
OSHA PEL: 2 PPM
ACGIH TLV: 4.3 MG/CUM (A2)

Proprietary: NO
Ingredient: COPPER (DUST & MIST), BRONZE POWDER
Ingredient Sequence Number: 05
Percent: 20
NIOSH (RTECS) Number: GL5325000
CAS Number: 7440-50-8
OSHA PEL: 0.1 MG(CU)/M3 (FUME)
ACGIH TLV: 0.2 MG/M3 (FUME)
Other Recommended Limit: 1 MG(CU)/M3 (DUST)

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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

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Reactivity Data

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Stability: YES
Hazardous Decomp Products: DUST & DECOMPOSING ODORS. COOLANTS MAY PRODUCE
OTHER DECOMPOSITION PRODUCTS.
Hazardous Poly Occur: NO

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Health Hazard Data

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Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: 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: YES
Explanation Carcinogenicity: SEE INGREDIENTS
Signs/Symptoms Of Overexp: INHALATION: COUGH.
Med Cond Aggravated By Exp: RESPIRATORY CONDITIONS
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. ARTIFICIAL
RESPIRATION AS NEEDED. SKIN: WASH W/SOAP & WATER. EYES: FLUSH W/PLENTY OF
WATER. INGESTION: 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 CONSISTENT W/APPLICABLE
FEDERAL, STATE & LOCAL LAWS.

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Control Measures

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Respiratory Protection: APPROVED DUST RESPIRATORS AS NEEDED
Ventilation: LOCAL EXHAUST OR MECHANICAL (GENERAL): RECOMMENDED.
Protective Gloves: RECOMMENDED
Eye Protection: RECOMMENDED
Other Protective Equipment: HEARING PROTECTION AS NEEDED

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Transportation Data

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Disposal Data
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Label Data
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Label Required: NO
Technical Review Date: 31JAN94
Label Date: 31JAN94
Label Status: N
Common Name: RESINOID BONDED GRINDING WHEELS
Label Name: NORTON CO
Label Street: 1 NEW BOND ST
Label City: WORCESTER
Label State: MA
Label Zip Code: 01615-0008
Label Country: US
Label Emergency Number: 508-795-2690/393-5847