

DIAMOND/CUBIC BORON NITRIDE GRINDING WHEELS

MSDS Number

BBPFG

National Stock Number

5130-00F003967

Product Name

DIAMOND/CUBIC BORON NITRIDE GRINDING WHEELS

Manufacturer

NORTON CO

Product Identification

Product ID:DIAMOND/CUBIC BORON NITRIDE GRINDING WHEELS

MSDS Date:04/17/1990

FSC:5130

NIIN:00F003967

MSDS Number: BBPFG

Responsible Party

NORTON CO

1 NEW BOND ST

WORCESTER , MA 01615-0008

US

Emergency Phone: 508-795-2690/393-5847

Info Phone: 508-795-2690/795-5738

Preparer: THOMAS Z. RICHARDS

Cage: 44197

Contractor

NORTON CO

15008

WORCESTER, MA 01606-0008

US

508-795-2690/508-795-5000

Cage: 44197

Ingredients

SILVER

CAS: 7440-22-4

RTECS: VW3500000

Fraction By Weight: 85%

OSHA PEL0.01 MG/CUM

ACGIH TLV: 0.1 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

COBALT

CAS: 7440-48-4

RTECS: GF8750000

Fraction By Weight: 60%

OSHA PEL0.1 MG/CUM

ACGIH TLV: 0.05 MG/CUM

COPPER (DUST & MIST), BRONZE POWDER

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight: 85%

OSHA PEL0.1 MG(CU)/M3 (FUME)

ACGIH TLV: 0.2 MG/M3 (FUME)

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

TIN (AS SN)

CAS: 7440-31-5

RTECS: XP7320000

Fraction By Weight: 25%

OSHA PEL2 MG/CUM

ACGIH TLV: 2.0 MG/CUM

GRAPHITE

CAS: 7782-42-5

RTECS: MD9659600

Fraction By Weight: 5%

OSHA PEL15 MPPCF

ACGIH TLV: 2 MG/CUM RESP IC

SILICON CARBIDE

CAS: 409-21-2

RTECS: VW0450000

Fraction By Weight: 73%

OSHA PEL10 MG/CUM TOTAL DUST

ACGIH TLV: 10 MG/CUM

ALUMINUM OXIDE, BAUXITE, ALUMINA, DIALUMINUM TRIOXIDE

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight: 81%

OSHA PEL10 MG/CUM

ACGIH TLV: 10 MG/CUM

NICKEL (SOLUBLE) (SUSPECTED HUMAN CARCINOGEN BY NTP, IARC,

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 82%

OSHA PEL1 MG/CUM

ACGIH TLV: 0.05 MG/CUM IC

PHOSPHORUS (YELLOW & WHITE)

CAS: 7723-14-0

RTECS: TH3500000

Fraction By Weight: 1%

OSHA PEL0.1 MG/CUM

ACGIH TLV: 0.1 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 3%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM (DUST)

MOLYBDENUM (SOLUBLE COMPOUND), LEAD MOLYBDATE

CAS: 7439-98-7

RTECS: QA4680000

Fraction By Weight: 1%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight: 5%

ACGIH TLV: 10 MG/CUM

SILICA DIOXIDE, CRYSTALLINE QUARTZ, SAND (SUSPECTED HUMAN

CAS: 14808-60-7

RTECS: VV7330000

Fraction By Weight:

OSHA PEL0.1 MG/CUM

ACGIH TLV: 0.1 MG/CUM RESP DUST

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:CHRONIC INHALATION: MAY AFFECT BREATHING CAPACITY. SKIN/EYES: IRRITATION. GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING.
Explanation of Carcinogenicity:SEE INGREDIENTS
Effects of Overexposure:INHALATION: COUGHING, SHORTNESS OF BREATH.
Medical Cond Aggravated by Exposure:RESPIRATORY CONDITIONS

First Aid

First Aid: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.

Fire Fighting

Extinguishing Media:WATER

Accidental Release

Spill Release Procedures:NORMAL CLEANUP PROCEDURES.

Exposure Controls

Respiratory Protection:USE DUST RESPIRATORS AS NEEDED.
Ventilation:LOCAL OR MECHANICAL (GENERAL): RECOMMENDED.
Protective Gloves:AS REQUIRED
Eye Protection:RECOMMENDED
Other Protective Equipment:HEARING PROTECTION AS NEEDED
Supplemental Safety and Health

Chemical Properties

HCC:N1
Melt/Freeze Pt:M.P/F.P Text:>220C
Spec Gravity:2-4
Solubility in Water:SLIGHT
Appearance and Odor:SOLID PRODUCT: MAY GIVE OFF ODOR IN USE

Stability

Stability Indicator/Materials to Avoid:YES
Hazardous Decomposition Products:DUST & DECOMPOSING ODORS. COOLANTS MAY PRODUCE OTHER DECOMPOSITION PRODUCTS.

Disposal

Waste Disposal Methods:STANDARD LANDFILL METHODS CONSISTENT W/APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS.

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