

87075-87079



1062

Flammability Rating

0	0
1	0

HAZARD RATING
Please rate consistent with NFPA Code

Health Rating Reactivity Rating

MATERIAL SAFETY DATA SHEET
SECTION I NAME AND PRODUCT

MANUFACTURER'S NAME NORTON COMPANY	CONTACT THOMAS Z. RICHARDS
ADDRESS (STREET, CITY, STATE AND ZIP CODE) 1 NEW BOND STREET, WORCESTER, MA 01615-0008	EMERGENCY TELEPHONE NO. 508-795-2690
TRADE NAME, COMMON NAME OR SPECIFICATION RESINOID BONDED GRINDING WHEELS	APPROVED BY <i>K. M. Grayson</i>
CHEMICAL FAMILY OR PRODUCT TYPE ANY GRADE	DATE 1/23/89

SECTION II COMPOSITION PER 29CFR 1910.1200 (G) (4)

CHEMICAL NAME	MAX %	COMMON NAME	REG* (Y/N)	CAS #	OSHA PERMISSIVE EXPOSURE LIMIT	ACGIH TLV	CARCINOGEN (Y/N)
Alpha-Alumina****	90	Alundum, Seeded Gel	Y	1344-28-1	15mg/m ³ (Total Dust)	10mg/m ³ (Total Dust)	N
Silicon Carbide	90	Crystolon	Y	409-21-2	15mg/m ³ (Total Dust)	10mg/m ³ (Total Dust)	N
Zirconia Alumina	90	NZ, ZF, ZS	Y	**NAIF	5mg/m ³ (as Zirconium)	5mg/m ³ (as Zirconium)	N

* grinding wheel may be comprised of 1 or more of the above abrasives. The chemicals listed below may be a part of the bond system.

Fluorides (as F)	3	***N/A	Y	***N/A	2.5mg/m ³	2.5mg/m ³	N
Calcium Oxide	3	Lime	Y	1305-78-8	5mg/m ³	2mg/m ³	N
Glass, Fibrous or Dust	10	Fiberglass	Y	**NAIF	**NAIF	10mg/m ³	N
Silicon Dioxide	<1	Crystalline Silica	Y	14808-60-7	15mg/m ³	0.1mg/m ³	Y

*Materials are regulated by OSHA 29 CFR 1910.1200, Hazard Communication Standard, and/or the Massachusetts General Law Chapter 111F, Right To Know Regulations.

SECTION III PHYSICAL AND CHEMICAL DATA

BOILING POINT **NAIF	MELTING POINT **NAIF	SPECIFIC GRAVITY 2-4
VAPOR PRESSURE **NAIF	PERCENT VOLATILE BY VOL **NAIF	VAPOR DENSITY **NAIF
EVAPORATION RATE **NAIF	SOLUBILITY IN WATER Slight	SOLUBILITY IN ALCOHOL **NAIF
SOLUBILITY IN OTHER SOLVENT **NAIF	APPEARANCE AND ODOR SOLID PRODUCT: MAY GIVE OFF ODOR IN USE.	

SECTION IV SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE - NONE.
OTHER PRECAUTIONS:
****NAIF**

SECTION V CORROSIVITY AND REACTIVITY DATA

STABILITY <input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR
COMPATIBILITY (MATERIALS TO AVOID) **NAIF	
DECOMPOSITION PRODUCTS In use, dust and decomposing organic fumes are generated. In most cases, the material removed from the workpiece will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products.	
CONDITIONS TO BE AVOIDED **NAIF	

**NAIF = NO APPLICABLE INFORMATION FOUND

***N/A = NOT APPLICABLE

****SUBJECT TO EPA SECTION 313 REPORTING UNDER SARA 40CFR PART 372. A PETITION HAS BEEN SUBMITTED TO THE EPA TO DELIST IT.

87079

