

OM0316

NBA 67 100  
**NORTON**

Health Rating	0	Reactivity Rating	0
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**MATERIAL SAFETY DATA SHEET**

HAZARD RATING  
Please rate consistent with NFPA Code

**SECTION I - NAME AND PRODUCT**

MANUFACTURER'S NAME <b>NORTON COMPANY</b>	CONTACT <b>RONALD L. KARBOWSKI</b>
ADDRESS (STREET, CITY, STATE AND ZIP CODE) <b>1 NEW BOND STREET, WORCESTER, MA 01615-0008</b>	EMERGENCY TELEPHONE NO. <b>508-795-2255</b>
PRODUCT NAME, COMMON NAME OR SPECIFICATION <b>VITRIFIED BONDED - ABRASIVE PRODUCTS</b>	APPROVED BY <i>K. Karbowski</i> DATE <b>5/11/92</b>
CHEMICAL FAMILY OR PRODUCT TYPE <b>- ANY GRADE</b>	

**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)
Alumina	96	Alundum, Seeded Gel	Y	1344-28-1	10mg/m <sup>3</sup> (Total Dust)	10mg/m <sup>3</sup> (Total Dust)	N
Silicon Carbide	96	Crystolon	Y	409-21-2	10mg/m <sup>3</sup> (Total Dust)	10mg/m <sup>3</sup> (Total Dust)	N
Sulfur Treatment	41	No. 22 Treat	Y	7704-34-9	**NAIF	**NAIF	N

Note: Wheel Treatment ranges from 21 to 41% concentration based on wheel weight.

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**

BILING 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  UNSTABLE  STABLE

POLYMERIZATION  MAY OCCUR  WILL NOT OCCUR

COMPATIBILITY (MATERIALS TO AVOID)  
Avoid acids of all types with a PH <= 4.0

DECOMPOSITION PRODUCTS  
No decomposition products are generated. In most cases, the airborne material removed from the workpiece will be significantly greater than the grinding wheel components. Solvents may produce other decomposition products.

REMARKS TO BE AVOIDED  
\*\*NAIF

IF = NO APPLICABLE INFORMATION FOUND \*\*NA = NOT APPLICABLE

## SECTION VI HEALTH, FIRST AID AND MEDICAL DATA

PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION (During Grinding)	ACUTE: POSSIBLE COUGH CHRONIC: MAY AFFECT BREATHING CAPACITY.	REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION AS NEEDED OBTAIN MEDICAL ASSISTANCE.
INGESTION (During Grinding)	NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.	OBTAIN MEDICAL ASSISTANCE.
SKIN (During Grinding) CONTACT & ABSORPTION	SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.	WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.
EYE (During Grinding)	DUST MAY IRRITATE EYES.	WASH WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND MEDICAL ASSISTANCE, IF NEEDED.
OTHER POTENTIAL HEALTH RISKS (During Grinding)	GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING AND MAY AGGRAVATE PREEXISTING RESPIRATORY CONDITIONS.	OBTAIN MEDICAL ASSISTANCE.

## SECTION VII STORAGE, HANDLING AND USE PROCEDURES

NORMAL STORAGE AND HANDLING SEE ANSI STANDARD B7.1.
NORMAL USE HANDLE WITH ADEQUATE VENTILATION. SEE OSHA 29CFR 1910.94 (VENTILATION) and 29CFR1910.1000 (AIR CONTAMINANTS)
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS. NORMAL CLEANUP PROCEDURES.
WASTE DISPOSAL METHOD STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS. PRODUCTS WITH LISTED FLOURIDES MAY HAVE SLIGHTLY SOLUBLE FLOURIDE SWARF.

## SECTION VIII PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) AS NEEDED. FOR APPROVED DUST RESPIRATORS SEE OSHA 29CFR 1910.134.							
VENTILATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">LOCAL</td> <td>RECOMMENDED</td> </tr> <tr> <td>MECHANICAL (GENERAL)</td> <td>RECOMMENDED</td> </tr> <tr> <td>OTHER</td> <td>**NAIF</td> </tr> </table>	LOCAL	RECOMMENDED	MECHANICAL (GENERAL)	RECOMMENDED	OTHER	**NAIF
LOCAL	RECOMMENDED						
MECHANICAL (GENERAL)	RECOMMENDED						
OTHER	**NAIF						
PROTECTIVE GLOVES	RECOMMENDED						
EYE PROTECTION	RECOMMENDED SEE OSHA 29CFR 1910.133						
OTHER EQUIPMENT	AS NEEDED HEARING PROTECTION SEE OSHA 29CFR 1910.95 (HEARING PROTECTION)						
MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL SEE SECTION VII & VIII							

## SECTION IX FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	**NAIF	METHOD USED	***NA	FLAMMABLE LIMITS	LEL N/A	UEL **N/A
EXTINGUISHING MEDIA	USE WATER					
SPECIAL FIRE FIGHTING PROCEDURES	NONE					
EXPLOSION POTENTIAL	**NAIF					

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