



	IV	IA I ERIAL SAFE I	TUAL	A SHEET	Please re	ate consistent with NFI	PA Code
	S	ECTION I NAME	AND P	RODUCT			
MANUFACTURER'S NAME	10				CONTACT		
NORTON COMPANY					THOM	AS Z. RICH	IRDS
ADDRESS (STREET, CITY, STATE AND ZIP	ADDRESS (STREET, CITY, STATE AND ZIP CODE)						
1 NEW BOND STREET,	WORCE	STER, MA 01615	-0008		508-79	5-2690	
TRADE NAME, COMMON NAME OR SPECIF	ICATION				APPROVE	DBY graya	a-
RESINOID BONDED GF	RINDING	WHEELS			DATE	Kmaraya Kmaraya	39
CHEMICAL FAMILY OR PRODUCT TYPE	ANY C	RADE					
SEC	TION II	COMPOSITION P	ER 29C	FR 1910.12	200 (G) (4)		
CHEMICAL NAME	MAX %	COMMON NAME	REG* (Y/N)	CAS #	OSHA PERMISSIVE EXPOSURE LIMIT	ACGIH TLV	CARCIN OGEN (Y/N)
Alpha-Alumina****	90	Alundum, Seeded Gel	Y	1344-28-1	15mg/m³ (Total Dust)	10mg/m³ (Total Dust)	N
Silicon Carbide	90	Crystolon	Y	409-21-2	15mg/m³ (Total Dust)	10mg/m³ (Total Dust)	N
Zirconia Alumina	90	NZ, ZF, ZS	Y	**NAIF	5mg/m³ (as Zirconium)	5mg/m³ (as Zirconium)	N
The grinding wheel may be comprised	of 1 or more o	of the above abrasives. The	e chemicals	s listed below may	y be a part of the bond	d system.	
Fluorides (as F)	3	***N/A	Y	***N/A	2.5mg/m³	2.5mg/m³	N
Calcium Oxide	3	Lime	Y	1305-78-8	5mg/m³	2mg/m³	N
Glass, Fibrous or Dust	10	Fiberglass	Y	**NAIF	**NAIF	10mg/m³	N
Silicon Dioxide	<1	Crystalline Silica	Y	14808-60-7	15mg/m³	0.1mg/m³	Y
*Materials are regulated by OSHA 29 Know Regulations.	CFR 1910.120	0, Hazard Communication	Standard,	and/or the Massa	chusetts General Lav	Chapter 111F, Rig	ht To
	SECTIO	N III PHYSICAL A	AND CH	HEMICAL D	ΔΤΔ	***************************************	
BOILING POINT **NAIF		TING POINT "NAIF	1110 01	ILIIIOAL D	SPECIFIC GRAVITY	2-4	
VAPOR PRESSURE **NAIF	PER	CENT VOLATILE BY VOL	*NAIF			IAIF	
EVAPORATION RATE **NAIF	SOL	UBILITY IN WATER Slight			SOLUBILITY IN ALCOH	OL "NAIF	
SOLUBILITY IN OTHER SOLVENT "NAIF				CE AND ODOR DUCT: MAY GIVI	E OFF ODOR IN USE.		
	SEC	CTION IV SPECIA	AL PRE	CAUTIONS	3		
PRECAUTIONS TO BE TAKEN IN HANDLIN							
OTHER PRECAUTIONS: **NAIF							
S	ECTION '	V CORROSIVITY	AND F	REACTIVITY	Y DATA		
STABILITY UNSTABLE	STABLE	POLYMERI	ZATION	☐ MAY OC	CUR WILL NOT	OCCUR	
INCOMPATABILITY (MATERIALS TO AVOID **NAIF DECOMPOSITION PRODUCTS)					1	
In use, dust and decomposing organic grinding wheel components. Coolants	fumes are ge may produce	nerated. In most cases, the	e material	removed from the	workpiece will be sig	nificantly greater th	an the
CONDITIONS TO BE AVOIDED							

**NAIF

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: COUGHING, SHORTNESS OF BREATH. 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 CONTACT & ABSORPTION	SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.	WASH AFFECTED AREAS WITH SOAP A WATER. OBTAIN MEDICAL ASSISTANCE					
EYE (During Grinding)	DUSTS MAY IRRITATE EYES.	WASH WITH LARGE AMOUNTS OF WATE OBTAIN FIRST AID AND MEDICAL ASSIS TANCE, IF NEEDED.					
OTHER POTENTIAL HEALTH RISKS (During Grinding)	GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING AND MAY AGGRAVATE PREEXISTING RESPIRATORY CON- DITIONS.	OBTAIN MEDICAL ASSISTANCE. THERE IS LIMITED INFORMATION THAT CRYSTALLINE SILICA IS A CARCINOGEN					

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 CON TAMINANTS)

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

LOCAL RECOMMENDED

MECHANICAL
(GENERAL) RECOMMENDED

OTHER **NAIF

PROTECTIVE GLOVES AS DESIRED BY USER

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	***N/A	FLAMMABLE LIMITS	LEL N/A	UEL ***N/A	
EXTINGUISHING	MEDIA	USE W	ATER				
SPECIAL FIRE F	IGHTING PROCE	DURES NONE					
EXPLOSION POT	TENTIAL	**NAIF					

FOR COMPANY USE



MATERIAL SAFETY DATA SHEET



****SUBJECT TO EPA SECTION 313 REPORTING 40CFR PART 372

	S	ECTION I NAME	AND P	RODUCT			
MANUFACTURER'S NAME					CONTA		
NORTON COMPANY		4 5				MAS Z. RICHA	
ADDRESS (STREET, CITY, STATE AND ZIP		OTED 114 04045				ENCY TELEPHONE NO.	
1 NEW BOND STREET, TRADE NAME, COMMON NAME OR SPECIF		51EH, MA 01615	-0008		APPRO	795-2690	m
RUBBER & SHELLAC E		CDINDING WHE	EI C		АРРНО	v smarre	
	ONDED	GRINDING WHE	ELS		DATE	1123 189	
CHEMICAL FAMILY OR PRODUCT TYPE	ANY G	RADE					
SEC	TION II	COMPOSITION P	ER 290	FR 1910.12	200 (G) (4)		
CHEMICAL NAME	MAX %	COMMON NAME	REG* (Y/N)	CAS #	OSHA PERMISSIVE EXPOSURE LIN	TI V	CARCIN OGEN (Y/N)
Amorphous Silica	2	Silica Gel	Y	63231-67-4	20 mppcf	10mg/m³	N
Sulfur	8	Sulfur	Y	7704-34-9	**NAIF	**NAIF	N
Fluorides (as F)	2	***N/A	Y	***N/A	2.5mg/m³	2.5mg/m³	N
Carbon Black	11	***N/A	Y	1333-86-4	3.5mg/m³	3,5mg/m³	N
Dibutyl Phthalate****	1	***N/A	Y	84-74-2	5mg/m³	5mg/m³	N
Thiram	1	Methyl Tuads	Y	137-26-8	5mg/m³	5mg/m³	N
The chemicals listed above may	be a part of t		ding wheel	may be comprise			
Alpha Alumina****	90	Alundum	Y	1344-28-1	15mg/m³ (Total Dust)	10mg/m³ (Total Dust)	N
Silicon Carbide	90	Crystolon	Y	409-21-1	15mg/m³ (Total Dust)	10mg/m³ (Total Dust)	N
Zirconia Alumina	90	NZ, ZS, ZF	Y	**NAIF	5mg/m³ (as Zirconium	5mg/m³) (as Zirconium)	N
Silicon Dioxide	<1	Crystalline Silica	Y	14808-60-7	15mg/m³	0.1mg/m³	Y
*Materials are regulated by OSHA 29 (Know Regulations.	CFR 1910.120	0, Hazard Communication	Standard,	and/or the Massa	achusetts General L	aw Chapter 111F, Rig	ht To
	SECTIO	N III PHYSICAL	AND C	HEMICAL D	DATA		
BOILING POINT **NAIF		TING POINT "NAIF		I	SPECIFIC GRAVITY	2-4	
VAPOR PRESSURE **NAIF			**NAIF	and the second second	VAPOR DENSITY	**NAIF	
EVAPORATION RATE **NAIF	SOL	UBILITY IN WATER Slight			SOLUBILITY IN ALC	OHOL "NAIF	
SOLUBILITY IN OTHER SOLVENT "NAIF				ICE AND ODOR DUCT: MAY GIV	E OFF ODOR IN USE		
	SEC	CTION IV SPECIA	AL PRE	CAUTIONS	3		
PRECAUTIONS TO BE TAKEN IN HANDLING OTHER PRECAUTIONS: **NAIF						84.	
	FOTIONI						
		/ CORROSIVITY					
	STABLE	POLYMER	IZATION	☐ MAY OC	CUR WILL N	OT OCCUR	
INCOMPATABILITY (MATERIALS TO AVOID) **NAIF							
DECOMPOSITION PRODUCTS							
In use, dust and decomposing resin systematic the grinding wheel components. Coolan	em fumes are ts may produc	generated. In most cases e other decomposition pro	, the mater ducts.	rial removed from	the workpiece will	be significantly greater	than
CONDITIONS TO BE AVOIDED							

***N/A = NOT APPLICABLE

**NAIF

"NAIF = NO APPLICABLE INFORMATION FOUND

SI	ECTION VI HEALTH, FIRST AID AND ME	DICAL DATA
PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION (During Grinding)	ACUTE: COUGHING, SHORTNESS OF BREATH. 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 CONTACT & ABSORPTION	SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.	WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.
EYE (During Grinding)	DUSTS 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 CON- DITIONS.	OBTAIN MEDICAL ASSISTANCE. THERE IS LIMITED INFORMATION THAT CRYSTALLINE SILICA IS A CARCINOGEN.

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 CON TAMINANTS)

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.

	SEC	TION VIII PERSONAL PROTECTION INFORMATION
RESPIRATORY	PROTECTION (SF	PECIFY TYPE) AS NEEDED. FOR APPROVED DUST RESPIRATORS SEE OSHA 29CFR 1910.134.
VENTILATION	LOCAL	RECOMMENDED
	MECHANICAL (GENERAL)	RECOMMENDED
	OTHER	**NAIF
= 10		
PROTECTIVE G	LOVES	AS DESIRED BY USER
EYE PROTECT	ON	RECOMMENDED SEE OSHA 29CFR 1910.133
OTHER EQUIPM	MENT	AS NEEDED HEARING PROTECTION SEE OSHA 29CFR 1910.95 (HEARING PROTECTION)
MEASURES TO WITH THIS MAT		IG REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT
		SEE SECTION VII & VIII

SECTION IX FIRE AND EXPLOSION HAZARD DATA							
FLASH POINT	**NAIF	METHOD USED	***N/A	FLAMMABLE LIMITS	LEL N/A	UEL ***N/A	
EXTINGUISHING MEDIA		USE WA	TER				
SPECIAL FIRE F	IGHTING PROCE	DURES NONE					
EXPLOSION POT	TENTIAL	**NAIF					

FOR COMPANY USE



MATERIAL SAFETY DATA SHEET



	0	ECTION I NAME	AND D	PODUCT		Tioaso raic	CONSISTENT WILLTAN	- A COOB
MANUFACTURER'S NAME	3	ECTION I NAME	AND P	HODUCI		CONTACT		
NORTON COMPANY					- 1		S Z. RICH	ARDS
ADDRESS (STREET, CITY, STATE AND ZIP	CODE)		1				Y TELEPHONE NO	
1 NEW BOND STREET, WORCESTER, MA 01615-0008						508-795-2690		
TRADE NAME, COMMON NAME OR SPECIF						APPROVED	Sheld	Parl
VITRIFIED BONDED – A	BRASIV	E PRODUCTS				DATE 12	-16-88	or
CHEMICAL FAMILY OR PRODUCT TYPE	ANY G	BRADE				DAIL / W	10 00	
SEC	TION II	COMPOSITION PE	ER 29C	FR 1910.1	200 (G) ((4)		
			TI			SHA		CARCI
CHEMICAL NAME	MAX %	COMMON NAME	REG* (Y/N)	CAS #	PERM	ISSIVE IRE LIMIT	ACGIH TLV	OGEN (Y/N)
Alpha-Alumina**** OR	96	Alundum, Seeded Gel	Y	1344-28-1	15m (Total	g/m³ Dust)	t0mg/m³ (Total Dust)	N
Silicon Carbide	96	Crystolon	Y	409-21-2	15m (Total	g/m³ Dust)	t0mg/m³ (Total Dust)	N
Sulfur Treatment	41	No. 22 Treat	Y	7704-34-9	**N	AIF	**NAIF	N
Note: Wheel Treatment ranges from 2	1 to 41% conc	entration based on wheel w	veight.		-			
	OFOTIO:							
		N III PHYSICAL A	ND CH					
BOILING POINT "NAIF		TING POINT "NAIF			SPECIFIC GF			
/APOR PRESSURE **NAIF EVAPORATION RATE **NAIF		CENT VOLATILE BY VOL ** UBILITY IN WATER Slight	NAIF		VAPOR DEN			
SOLUBILITY IN OTHER SOLVENT "NAIF	1 300	A		E AND ODOR OUCT: MAY GIVE	SOLUBILITY F OFF ODOR		· **NAIF	
	SEC	TION IV SPECIA						
PRECAUTIONS TO BE TAKEN IN HANDLING OTHER PRECAUTIONS: **NAIF					-			
SI	ECTION V	CORROSIVITY	AND R	EACTIVITY	Y DATA			
	STABLE	POLYMERIZ		☐ MAY OC		WILL NOT O	CCUR	
NCOMPATABILITY (MATERIALS TO AVOID)				_	L. I			
Avoid acids of all types with	a PH < = 4.0							
DECOMPOSITION PRODUCTS								
In use, dusts are generated. In most cas Coolants may produce other decompos	ses, the airborn sition products.	ne material removed from the	e workpiec	e will be significa	ntly greater t	han the grind	ding wheel compo	onents.
CONDITIONS TO BE AVOIDED								

**NAIF

SI	ECTION VI HEALTH, FIRST AID AND MEI	DICAL DATA
PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION (During Grinding)	ACUTE: COUGHING, SHORTNESS OF BREATH. 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 CONTACT & ABSORPTION	SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.	WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.
EYE (During Grinding)	DUSTS 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 CON- DITIONS.	OBTAIN MEDICAL ASSISTANCE. THERE IS LIMITED INFORMATION THAT CRYSTALLINE SILICA IS A CARCINOGEN.

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.

	SEC	TION VIII PERSONAL PROTECTION INFORMATION
RESPIRATORY	PROTECTION (SF	PECIFY TYPE) AS NEEDED. FOR APPROVED DUST RESPIRATORS SEE OSHA 29CFR 1910.134.
VENTILATION	LOCAL	RECOMMENDED
	MECHANICAL (GENERAL)	RECOMMENDED
	OTHER	**NAIF
PROTECTIVE C	SLOVES	AS DESIRED BY USER
EYE PROTECT	ION	RECOMMENDED SEE OSHA 29CFR 1910.133
OTHER EQUIPMENT		AS NEEDED HEARING PROTECTION SEE OSHA 29CFR 1910.95 (HEARING PROTECTION)
MEASURES TO WITH THIS MA		IG REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT
		SEE SECTION VII & VIII

SECTION IX FIRE AND EXPLOSION HAZARD DATA							
FLASH POINT **NAIF	METHOD USED ***N/A	FLAMMABLE LIMITS LEL N/A UEL ***N/A					
EXTINGUISHING MEDIA	USE WATER						
SPECIAL FIRE FIGHTING PRO	CEDURES NONE						
EXPLOSION POTENTIAL	**NAIF						

FOR COMPANY USE



MATERIAL SAFETY DATA SHEET



	S	ECTION I NAME	E AND PI	RODUCT			
MANUFACTURER'S NAME					CONTACT		
NORTON COMPANY	THOM	THOMAS Z. RICHARDS					
ADDRESS (STREET, CITY, STATE AND ZIP CO	DE)		1		EMERGEN	CY TELEPHONE NO.	
1 NEW BOND STREET, W	ORCE	STER, MA 0161	5-0008		508-79	5-2690	
TRADE NAME, COMMON NAME OR SPECIFICA	TION				APPROVED	31/26	1
DIAMOND OR CUBIC BO	RON N	TRIDE GRINDIN	IG WHEE	ELS	DATE	1/22/	19
CHEMICAL FAMILY OR PRODUCT TYPE					DATE	1/27	1
	ANY G	SRADE					-
SECTI	ON II	COMPOSITION F	PER 29C	FR 1910.12	200 (G) (4)		
CHEMICAL NAME	MAX %	COMMON NAME	REG* (Y/N)	CAS #	OSHA PERMISSIVE EXPOSURE LIMIT	ACGIH TLV	CARCIN OGEN (Y/N)
Silver ****	85	Silver	Y	7440-22-4	.01mg/m³	.1mg/m³	N
Cobalt ****	60	Cobalt	Y	7440-48-4	.1mg/m³	.1mg/m³	N
Copper ****	85	Copper	Y	7440-50-8	1mg/m³	1mg/m³	N
Tin	25	Tin	Y	7440-31-5	2mg/m³	2mg/m³	N
Graphite	5	Graphite	Y	7782-42-5	15MPPCF	5mg/m³ (Respirable Dust)	N
Silicon Carbide **	73	Crystolon	Y	409-21-2	15mg/m³	10mg/m³	N
Alpha-Alumina ****	81	Alundum	Y	1344-28-1	(Total Dust)	(Total Dust)	
Nickel ****	82	Nickel	Y	7440-02-0	1mg/m³	1mg/m³	Υœ
Phosphorus ****	1	Phosphorus	Y	7723-14-0	0.1mg/m³	0.1mg/m³	N
Manganese	3	Manganese	Y	7439-96-5	5mg/m³	5mg/m³	N
Molybdenum	1	Molybdenum	Y	7439-98-7	15mg/m³	10mg/m³	N
Silicon Powder	5	Silicon Powder	Y	7440-21-3	**NAIF	10mg/m³	N
Silicon Dioxide	<1	Crystalline Silica	Y	14808-60-7	15mg/m³	0.1mg/m³	Y
*Materials are regulated by OSHA 29 CF Know Regulations. *Listed by NTP as a	Carcinoger		n agreement	with IRAC that ni	ckel is a probable hum		ht To
BOILING POINT **NAIF		TING POINT >220°C				2-4	
VAPOR PRESSURE **NAIF		RCENT VOLATILE BY VOL	"NAIF			IAIF	
EVAPORATION RATE **NAIF	SOL	UBILITY IN WATER Sligh	nt		SOLUBILITY IN ALCOH	OL "NAIF	
SOLUBILITY IN OTHER SOLVENT **NAIF				CE AND ODOR DUCT: MAY GIV	E OFF ODOR IN USE.		
	SEC	CTION IV SPEC	IAL PRE	CAUTIONS	3		
PRECAUTIONS TO BE TAKEN IN HANDLING A OTHER PRECAUTIONS:							
**NAIF	OTION	/ CODDOCIVIT	V AND D	FAOTIVITY	/ DATA		
		V CORROSIVIT					
STABILITY UNSTABLE X ST	ABLE	POLYME	RIZATION	☐ MAY OC	CUR WILL NOT	OCCUR	
INCOMPATABILITY (MATERIALS TO AVOID) **NAIF							
DECOMPOSITION PRODUCTS	fum co o-	announted In most	soon than-	torial romans d	from the westerless	vill be signified - t-	rthon
In use, dust and decomposing organic the grinding wheel components. Coo CONDITIONS TO BE AVOIDED					rom the workpiece v	viii be signifigreate	rtnan
**NAIF		MANUAL NIGHT ARRIVES	-	MI 6110 F 6	T TO EDA CESTION	DEDODTING 10005	DARY
"NAIF = NO APPLICABLE INFORMATION FOUND)	*** N/A = NOT APPLICABL	LE	SUBJEC	T TO EPA SECTION 313	HEPORTING 400CFF	1 PAHT 37

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 REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN MEDICAL ASSISTANCE.				
INHALATION (During Grinding)	ACUTE: COUGHING, SHORTNESS OF BREATH. CHRONIC: MAY AFFECT BREATHING CAPACITY.					
INGESTION (During Grinding)	NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.	OBTAIN MEDICAL ASSISTANCE.				
SKIN (During CONTACT & Grinding) ABSORPTION	SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.	WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.				
EYE (During Grinding)	DUSTS 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 CON- DITIONS.	OBTAIN MEDICAL ASSISTANCE. THERE IS LIMITED INFORMATION THAT CRYSTALLINE SILICA IS A CARCINOGEN.				

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.

	SECTION VIII PERSONAL PROTECTION INFORMATION							
RESPIRATORY	PROTECTION (SE	PECIFY TYPE) AS NEEDED. FOR APPROVED DUST RESPIRATORS SEE OSHA 29CFR 1910.134.						
VENTILATION	LOCAL	RECOMMENDED						
	MECHANICAL (GENERAL)	RECOMMENDED						
	OTHER	**NAIF						
PROTECTIVE C	SLOVES	AS DESIRED BY USER						
EYE PROTECT	ION	RECOMMENDED SEE OSHA 29CFR 1910.133						
OTHER EQUIPMENT		AS NEEDED HEARING PROTECTION SEE OSHA 29CFR 1910.95 (HEARING PROTECTION)						
MEASURES TO WITH THIS MAT		NG REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT						
		SEE SECTION VII & VIII						

SECTION IX FIRE AND EXPLOSION HAZARD DATA						
FLASH POINT **N	IAIF MET	THOD USED	***N/A	FLAMMABLE LIMITS	LEL N/A	UEL ***N/A
EXTINGUISHING MEDI	A	USE WA	ATER			
SPECIAL FIRE FIGHTIN	G PROCEDURES	NONE				
EXPLOSION POTENTIA	AL .	**NAIF				

FOR COMPANY USE