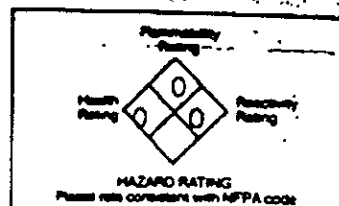


MET041



## MATERIAL SAFETY DATA SHEET

## SECTION I NAME AND PRODUCT

MANUFACTURER'S NAME <b>NORTON COMPANY</b>		CONTACT <b>David R. Nichols</b>
ADDRESS (STREET, CITY, STATE AND ZIP CODE) <b>1 New Bond Street, Worcester, MA 01606</b>		EMERGENCY TELEPHONE NO. <b>(617) 795-2393</b>
TRADE NAME, COMMON NAME OR SPECIFICATION <b>CRYSTOLON, SILICON CARBIDE</b>		APPROVED BY <i>Dr. Nichols</i> DATE <b>November 1, 1985</b>
CHEMICAL FAMILY OR PRODUCT TYPE <b>Refractory Carbide</b>		

## SECTION II COMPOSITION

CHEMICAL NAME	%	COMMON NAME	REG.* (Y/N)	CAS #	OSHA PERMISSIVE EXPOSURE LIMIT	ACGIH TLV	CARCINOGEN* (Y/N)
Silicon Carbide (SiC)	98	SILICON CARBIDE	Y	409-21-2	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	N
					(Total Dust)		
Contains less than 1% Crystalline Silica							

\* 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 <b>Sublimes</b>	MELTING POINT <b>approx. 2300°C</b>	SPECIFIC GRAVITY <b>3.2</b>
VAPOR PRESSURE <b>N/A</b>	PERCENT VOLATILE BY VOL <b>NAIF</b>	VAPOR DENSITY <b>N/A</b>
EVAPORATION RATE <b>NAIF</b>	SOLUBILITY IN WATER <b>INSOLUBLE</b>	SOLUBILITY IN ALCOHOL <b>INSOLUBLE</b>
SOLUBILITY IN OTHER SOLVENT <b>Fuming KOH, Insoluble in most acids</b>	APPEARANCE AND ODOR <b>Crystalline, Granular, Black or Green Color, No Odor</b>	

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT <b>NAIF</b>	(METHOD USED) <b>N/A</b>	FLAMMABLE LIMITS LEL <b>N/A</b>	UEL <b>N/A</b>
EXTINGUISHING MEDIA <b>NAIF</b>			
SPECIAL FIRE FIGHTING PROCEDURES <b>NONE</b>			
EXPLOSION POTENTIAL <b>NONE</b>			

## SECTION V 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 (DUST)	Acute: May Cause Coughing, Shortness of Breath Chronic: May Affect Breathing Capacity	Remove to fresh air: Apply artificial respiration as needed. Obtain first aid or medical assistance.
INGESTION	No Known Adverse Effects, But Ingestion Not Recommended	Obtain first aid or medical assistance, if needed.
CONTACT & ABSORPTION	Not Absorbed Through Skin: May Cause Abrasions	Obtain first aid or medical assistance, if needed.
EYE (DUST)	May irritate eyes.	Wash with large amounts of water; obtain first aid or medical assistance, if needed.

850

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## SECTION VI CORROSIVITY AND REACTIVITY DATA

STABILITY UNSTABLE ☐ STABLE ☒

POLYMERIZATION

MAY OCCUR ☐

WILL NOT OCCUR ☒

COMPATIBILITY (MATERIALS TO AVOID)

NAIF

DECOMPOSITION PRODUCTS

NAIF

CONDITIONS TO BE AVOIDED

NAIF

## SECTION VII STORAGE, HANDLING AND USE PROCEDURES

NORMAL STORAGE AND HANDLING

Handle with adequate ventilation for nuisance dust. See OSHA 29CFR 1910.94 (Ventilation) and CFR 1910.1000 (Air Contaminants)

NORMAL USE

Handle with adequate ventilation for nuisance dust.  
See OSHA 29CFR 1910.94 (Ventilation) and 29 CFR 1910.1000 (Air Contaminants)

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS

Normal Cleanup Procedures. Respirators may be required.

DISPOSAL METHOD

Standard landfill methods consistent with applicable federal, state and local laws.

## SECTION VIII PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) As needed, approved dust respirator. 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 1910.122

OTHER EQUIPMENT

NAIF

MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL

SEE SECTION VII AND VIII

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

NONE

OTHER PRECAUTIONS

NAIF

## FOR COMPANY USE

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Norton Company makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.