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MET041



MATERIAL SAFETY DATA SHEET

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

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 ³	10 mg/m ³	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 Sublimes	MELTING POINT approx. 2300°C	SPECIFIC GRAVITY	3.2
VAPOR PRESSURE N/A	PERCENT VOLATILE BY VOL NAIF	VAPOR DENSITY	N/A
EVAPORATION RATE NAIF	SOLUBILITY IN WATER INSOLUBLE	SOLUBILITY IN ALCOHOL	INSOLUBLE
SOLUBILITY IN OTHER SOLVENT Fuming KOH, Insoluble in most acids		APPEARANCE AND ODOR Crystalline, Granular, Black or Green Color, No Odor	

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT NAIF	(METHOD USED) N/A	FLAMMABLE LIMITS LEL	N/A UEL N/A
EXTINGUISHING MEDIA NAIF	SPECIAL FIRE FIGHTING PROCEDURES NONE		
EXPLOSION POTENTIAL NONE			

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.

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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 CFR1910.1000 (Air Contaminants)

NORMAL USE

Handle with adequate ventilation for nuisance dust. See OSHA 29CFR1910.94 (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 29CFR1910.134

VENTILATION	LOCAL	RECOMMENDED
	MECHANICAL (GENERAL)	RECOMMENDED
	OTHER	NAIF

PROTECTIVE GLOVES AS DESIRED BY USER

EYE PROTECTION RECOMMENDED. SEE OSHA 29CFR1910.122

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.