

DREMEL[®]

Power Tools For The Craftsman

July 11, 1991

Cascade Wholesale
P.O. Box 6449
Aloha, OR 97007-0449

Attn: Jenny Johnson

Subject: MATERIAL SAFETY DATA SHEETS

Reference: Dremel Sanding Discs - Cat. Nos. 411,412,413 & 446,447,448

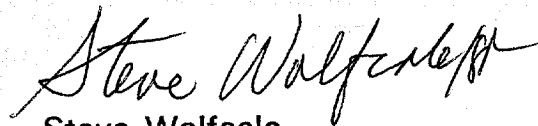
Gentlemen:

This is in response to your request for MATERIAL SAFETY DATA SHEETS for the referenced products. Dremel purchases these products or their components from Even Cut Abrasive Company in Cleveland, Ohio.

The MATERIAL SAFETY DATA SHEETS has been completed by Even Cut Abrasive Company and is to be considered accurate. A copy is enclosed for your records.

If additional data or information is required, please contact us.

Very truly yours,



Steve Wolfcale
Approvals Engineer

SW:st
Enclosure

6984 MACHINERY AVE. • CLEVELAND, OHIO 44103-1738 • PHONE (216) 861-9595

DREML SANDING DISCS
 P/N 5110411 5000 446
 413 447
 413 448



TRADE NAME, COMMON NAME OR SPECIFICATION							
COATED ABRASIVE PRODUCT - DURITE A412							
CHEMICAL FAMILY OR PRODUCT TYPE Silicon Carbide & Glue Binder							
SECTION II COMPOSITION							
CHEMICAL NAME	REG. ⁴ (Y/N)	COMMON NAME	CAS #	OSHA PERMISSIVE EXPOSURE LIMIT	ACGIH TLV	CARCIN- OGEN* (Y/N)	
Silicon Carbide (SiC)	Y	Durite	409-21-2	15mg/M ³ Total Dust	10mg/M ³	N	

* 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	N/A	MELTING POINT	N/A
VAPOR PRESSURE	N/A	PERCENT VOLATILE BY VOL.	N/A
EVAPORATION RATE	N/A	SOLUBILITY IN WATER	N/A
SOLUBILITY IN OTHER SOLVENT	N/A	APPEARANCE AND ODOR	Paper Coated with Abrasive Material
SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT	N/A	(METHOD USED)	N/A
EXTINGUISHING MEDIA	N/A	FLAMMABLE LIMITS LEL	N/A UEL N/A
SPECIAL FIRE FIGHTING PROCEDURES	Backings will burn or decompose, use respiratory protection		
EXPLOSION POTENTIAL	N/A		
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 (During Use)	Acute -May cause coughing, shortness (Dust) of breath Chronic -May affect breathing capacity (Dust)	Remove to fresh air apply arti- ficial respiration as needed. Obtain First Aid or Medical assist.	
INGESTION	No known adverse effects, but ingestion not recommended	Obtain First Aid or Medical assistance, if needed	
SKIN 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	
OTHER POTENTIAL HEALTH RISKS	DURING use on some materials elevated sound levels may be created which affect hearing	Obtain Medical assistance	

SECTION VI CORROSIVITY AND REACTIVITY DATA			
STABILITY	UNSTABLE	STABLE	
INCOMPATIBILITY (MATERIALS TO AVOID)		POLYMERIZATION	MAY OCCUR / WILL NOT OCCUR
N/A			
DECOMPOSITION PRODUCTS			
In use dust generated in most cases will be significantly greater from the material removed from the work piece than from the coated abrasive product components			
CONDITIONS TO BE AVOIDED			
N/A			

SECTION VII STORAGE, HANDLING AND USE PROCEDURES	
NORMAL STORAGE AND HANDLING	Handle with adequate ventilation. See OSHA 29CFR1910.94 (Ventilation) and OSHA 29CFR1910.1000 (Air Contaminates)
NORMAL USE	Handle with adequate ventilation. See OSHA 29CFR1910.94 (Ventilation) and OSHA 29CFR1910.1000 (Air Contaminates), OSHA CFR1910.213(P) Sanding Machines and OSHA CFR1910.243(a) (3) Portable Belt Sanding Machines
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS	Normal clean up procedures
WASTE DISPOSAL METHOD	Standard landfill methods consistent with applicable Federal, State & Local Laws

SECTION VIII PERSONAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION (SPECIFY TYPE)	As needed, approved dust respirator OSHA 24 CFR1910-134
VENTILATION	LOCAL Recommended
	MECHANICAL (GENERAL) Recommended
	OTHER NAIF
PROTECTIVE GLOVES	As desired by user
EYE PROTECTION	Recommend-OSHA 29CFR1910.133 (Face & Eye Protection)
OTHER EQUIPMENT	As needed, hearing protection-OSHA 29CFR1910.215 (Hearing Protection)
MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL	
See Sections VI, VII, VIII	

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	NONE
OTHER PRECAUTIONS	NONE