



**GARD ThinFlex Elite™ - Reinforced Abrasive Cutting Wheel ( 5507-series )**

**Material Safety Data Sheet**

**Section I - NAME AND PRODUCT**

MANUFACTURER'S NAME GARD Specialists Company, Inc.	CONTACT D. Buss
ADDRESS ( STREET, CITY, STATE AND ZIP CODE ) 621 State Hwy 17, Eagle River, Wisconsin 54521	EMERGENCY TELEPHONE (715) 479-9365 or (800) 541-9301
TRADE NAME, COMMON NAME OR SPECIFICATION - GARD Thinflex Elite™ Cutoff Wheel Reinforced Fibrous Glass Abrasive	APPROVED BY: D. Buss DATE: 02/14/2007
CHEMICAL FAMILY OR PRODUCT TYPE Reinforced Fibrous Glass Abrasive Cut Off Wheel	

**Section II - COMPOSITION**

CHEMICAL NAME	COMMON NAME	REG* (Y/N)	OSHA PERMISSIVE EXPOSURE LIMIT	Percent %	CAS #
Aluminum Oxide	Alumina	y	None	40.000 - 60.000	1344 - 28 - 1
Zirconium Oxide	Zirconium Oxide	y	15 mg / m <sup>3</sup>	10.000 - 50.000	1314 - 23 - 4
Cured Phenol Formaldehyde Resin	Phenolic Resin	y	None	3.000 - 20.000	9003 - 35 - 4
Fibrous Glass	Fiberglass	y	None	1.000 - 10.000	65997 - 17 - 3

**Section III - PHYSICAL AND CHEMICAL DATA**

BOILING POINT N/A	MELTING POINT N/A	SPECIFIC GRAVITY > 1 (H2O = 1)
VAPOR PRESSURE N/A	PERCENT VOLATILE BY VOLUME NAIF	VAPOR DENSITY N/A
EVAPORATION RATE N/A	SOLUBILITY IN WATER Not Soluble	SOLUBILITY IN ALCOHOL NAIF
SOLUBILITY IN OTHER SOLVENT NAIF	APPEARANCE AND ODOR : Solid Substance; may give off odor.	

**Section IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT NAIF	(METHOD USED) NAIF	FLAMMABLE LIMITS	LEL N/A	UEL N/A
EXTINGUISHING MEDIA Water				
SPECIAL FIRE FIGHTING PROCEDURES No special procedures				
EXPLOSION POTENTIAL NAIF				

**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 Cutting / Grinding	May effect breathing capacity, shortness of breath	Remove to fresh air. Artificial respiration if needed. ( See Section VII - Ventilation )
INGESTION During Cutting / Grinding	NAIF. Ingestion not recommended.	Obtain medical assistance immediately.
SKIN - CONTACT & ABSORPTION During Cutting / Grinding	Some individuals may experience skin irritation from dust.	Thoroughly wash affected area with of soap and water. If a rash appears discontinue use and seek medical attention.
EYE During Cutting / Grinding	Dust may irritate eyes.	Flush with large amounts of water, obtain medical assistance if needed.
OTHER POTENTIAL HEALTH RISKS	NAIF	

\*\* NAIF = NO APPLICABLE INFORMATION FOUND

\*\*\* N/A = NOT APPLICABLE

**Section VI - CORROSIVITY AND REACTIVITY DATA**

STABILITY      UNSTABLE     STABLE       POLYMERIZATION      MAY OCCUR       WILL NOT OCCUR

INCOMPATIBILITY ( MATERIALS TO AVOID )

Avoid Strong Acids and Bases

DECOMPOSITION OR BYPRODUCTS

Dusts are generated in use

CONDITIONS TO BE AVOIDED

NAIF

**Section VII - STORAGE, HANDLING AND USE PROCEDURES**

NORMAL STORAGE AND HANDLING

See ANSI Standard B7.1

NORMAL USE

Should be used only by persons familiar with ANSI B7.1. Use only with adequate ventilation.

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 and Local Laws.

**Section VIII - PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION ( SPECIFY TYPE )      Use Niosh approved dust respirator    See OSHA 29 CFR 1910.1200

VENTILATION	LOCAL    Recommended
	MECHANICAL ( GENERAL )    Recommended
	OTHER    N/A

PROTECTIVE GLOVES    Recommended

EYE PROTECTION    Mandatory.    See OSHA 29 CFR 1910.133 Safety glasses and or face shield.

OTHER EQUIPMENT    Hearing protection as needed.    See OSHA 29 1910.215

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 - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE    Discard damaged items.

OTHER PRECAUTIONS    Product should be used only by personnel familiar with ANSI B7.1 and recommended rules for safe use.

**FOR COMPANY USE**

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

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