



GARD Green GrindAll™ - Bonded Abrasive Grinding Wheel (5433-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) 1640 US Hwy 45, Eagle River, Wisconsin 54521	EMERGENCY TELEPHONE (715) 479-9365 or (800) 541-9301
TRADE NAME, COMMON NAME OR SPECIFICATION - GARD Green GrindAll™ Grinding Wheel Reinforced Fibrous Glass Abrasive	APPROVED BY: D. Buss DATE: 2/14/2018
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	ACGIH TLV	Percent %	CAS #
Aluminum Oxide	Alumina	y	15mg / m ³	10mg / m ³ dust	58.00	1344 - 28 - 1
Zirconium Oxide	Zirconium Oxide	y	5 mg / m ³	5mg / m ³	11.00	1314 - 23 - 4
Chromic Oxide	Chromic Oxide	y	.05 mg / m ³	.05 mg / m ³	2.0	1308-38-9

The grinding wheel may be comprised of one or more of the above abrasives. The chemicals listed below may be part of the bonding system

Titanium Dioxide	Titanium Dioxide	N/A	N/A	N/A	0.3	13463 - 67 - 7
Alkali	Alkali	N/A	N/A	N/A	3.00	N/A
Others**		N/A	N/A	N/A	4.0	N/A
Phenolic Abrasive Binder **		N/A	N/A	N/A	21.7	N/A
Non Alkali Glass Fiberglass		N/A	N/A	10mg/m ³ dust	N/A	N/A

** Substance is a compound and/or mixture

The product itself does not create any dioxin caused by: Eplosion/Ignition/Inflamability/Spontaneous combustion/Heat generated due to water Oxidation/Acute toxicity/Corrosion

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; green color, may give off slight odor while grinding.	

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) N/A

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.