

MATERIAL SAFETY DATA SHEET 3M
 3M Center
 St. Paul, Minnesota
 55144-1000
 1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: ABRASIVE SYSTEMS DIVISION
 TRADE NAME:
 3M Green Corps Cutoff Wheels, All Sizes
 ISSUED: August 18, 2000
 SUPERSEDES: August 27, 1999
 DOCUMENT: 11-5827-8

1. INGREDIENT	C.A.S. NO.	PERC	
MINERAL - ALUMINUM OXIDE AND CUBITRON... 80.0	1344-28-1	40.0	-
CURED PHENOLIC RESIN..... 50.0	None	4.0	-
INORGANIC FLUORIDE..... 40.0	15096-52-3	2.0	-
SCRIM..... 25.0	None	10.0	-
C.I. PIGMENT GREEN 7..... 1.0	1328-53-6	.1	-

2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY:..... N/A
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... N/A
SPECIFIC GRAVITY:..... N/A
PERCENT VOLATILE:..... N/A
pH:..... N/A
VISCOSITY:..... N/A
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Green cut off wheel, black mesh interior.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Ap
proximately

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3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE:..... N/A

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Not applicable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Hydrogen Fluoride.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Collect spilled material.

RECOMMENDED DISPOSAL:

Dispose of waste product in a sanitary landfill. Disposal alternative: Incinerate in an industrial or commercial facility in the presence of a combustible material.

Combustion products will include HF. Facility must be capable of handling halogenated materials.

Washing wastes from the use of this product to a sewer could result

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5. ENVIRONMENTAL INFORMATION (continued)

in fluoride concentrations in the wastewater.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/A.

VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities

before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S.

EPA Hazardous).

OTHER ENVIRONMENTAL INFORMATION:

The substrate that was abraded must be considered as a factor in the

disposal method for this product.

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

No need for first aid is anticipated.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Wear safety glasses to prevent eye contact with dust created from grinding substrate.

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7. PRECAUTIONARY INFORMATION (continued)

SKIN PROTECTION:

Wear gloves to prevent skin contact with dust created from grinding

ing
substrate.

RECOMMENDED VENTILATION:

Provide appropriate local exhaust for grinding, cutting or sanding cured material. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of dust created by cutting, sanding or grinding. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask dust respirator, full-face dust respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Store under normal warehouse conditions.

FIRE AND EXPLOSION AVOIDANCE:

Keep away from heat, sparks, open flame, and other sources of ignition.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE
AUTH SKIN*			

MINERAL - ALUMINUM OXIDE AND CUBITRON.....	1.0	FIBER/CC	TWA
CMRG			
MINERAL - ALUMINUM OXIDE AND CUBITRON.....	1.0	FIBER/CC	TWA
OSHA			

PROPOSED			
MINERAL - ALUMINUM OXIDE AND CUBITRON.....	10	MG/M3	TWA
OSHA			
			AS DUST OSHA VACATED PEL: TOTAL
DUST MINERAL - ALUMINUM OXIDE AND CUBITRON.....	10	MG/M3	TWA
ACGIH			
			as Al
MINERAL - ALUMINUM OXIDE AND CUBITRON.....	15	MG/M3	TWA
OSHA			
			AS DUST TOTAL DUST
MINERAL - ALUMINUM OXIDE AND CUBITRON.....	5	MG/M3	TWA
OSHA			
			AS DUST RESPIRABLE FRACTION

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE
AUTH SKIN*			

CURED PHENOLIC RESIN.....	NONE	NONE	NONE
NONE			
INORGANIC FLUORIDE.....	NONE	NONE	NONE
NONE			
SCRIM.....	NONE	NONE	NONE
NONE			
C.I. PIGMENT GREEN 7.....	1	MG/M3	TWA
ACGIH			
			as Cu dust or mist
C.I. PIGMENT GREEN 7.....	1	MG/M3	TWA

OSHA

as dust or mist

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL

Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.

- NONE: None Established

 8. HEALTH HAZARD DATA

EYE CONTACT:

Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

Dust created by cutting, grinding, sanding, or machining may cause eye irritation.

SKIN CONTACT:

Mechanical skin irritation: signs/symptoms can include itching a

nd
redness.

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

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8. HEALTH HAZARD DATA (continued)

OTHER HEALTH HAZARD INFORMATION:

This product, when used under reasonable conditions or in accordance with the 3M directions for use, should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

When determining the degree of health hazards, the material being abraded must be considered.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE August 27, 1999	ISSUE
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