

3M UK PLC  
3M CENTRE, CAIN RD,  
BRACKNELL, BERKSHIRE RG12 8HT  
Tel: 01344 858000

=====

MATERIAL SAFETY DATA SHEET

=====

Document id : 08-9029-3 Issue date : 29/07/2003  
Version : 1.00 Supersedes date : 29/07/2003  
Document status : Issued Format : 1

-----

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

-----

Tradename:  
3M GREEN CORPS FLEXIBLE GRINDING DISCS

3M Product ID:

-----

2 COMPOSITION/INFORMATION ON INGREDIENTS

-----

Ingredient name and classification	CAS number	Percentage
ALUMINIUM OXIDE AND CUBITRON	---	50 - 70
CURED PHENOLIC RESIN	---	4.0 - 50.0
INORGANIC FLUORIDE	15096-52-3	2.0 - 40.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 24 (T,N; R:20-22-48/23-48/25-51-53)		
SCRIM	---	10.0 - 25.0
ALUMINIUM ZIRCONIA	---	5 - 20
PIGMENT GREEN	---	.1 - 1

-----

3 HAZARDS IDENTIFICATION

-----

Critical hazards:

None.

---

#### 4 FIRST-AID MEASURES

---

Eye Contact:

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

Skin Contact:

Wash affected area with soap and water.

Inhalation:

If signs or symptoms occur, remove person to fresh air. If signs/symptoms continue, call a medical doctor.

Ingestion:

Drink two glasses of water. Call a medical doctor.

3M GREEN CORPS FLEXIBLE GRINDING  
DISCS

Page 2 of 6 Total Pages

---

#### 5 FIRE-FIGHTING MEASURES

---

Suitable Extinguishing Media:

Water, Carbon dioxide, Dry chemical, Foam.

Hazardous Decomposition:

Carbon Monoxide and Carbon Dioxide.

Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms,

waist and legs, face mask, and protective covering for exposed areas of the head.

Special Instructions:

None known.

---

6 ACCIDENTAL RELEASE MEASURES

---

Personal Precautions:

Methods for Cleaning up:

Not applicable

---

7 HANDLING AND STORAGE

---

Precautions for Safe Storage:

Not applicable.

Fire Prevention:

Not applicable.

Precautions for Safe Handling:

Not applicable.

---

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

---

Eye Protection:

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

Skin Protection:

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding or machining. Select one of the following approved respirators based on airborne concentration of contaminants and in

-----  
accordance with regulations: Use half-mask dust respirator.

Ingestion:

Not applicable.

Recommended Ventilation:

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

Special Instructions:

Wear gloves to prevent skin contact with dust created from grinding substrate.

Exposure Limits:

-----  
9 PHYSICAL AND CHEMICAL PROPERTIES  
-----

Appearance and Odour:	Green grinding disc
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not determined
Flash point:	Not applicable
Autoflammability:	Not applicable
Vapour pressure:	Not applicable
Water Solubility:	Not applicable

Specific gravity:	Not applicable
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	Not applicable
Percent Volatile:	Not applicable.

3M GREEN CORPS FLEXIBLE GRINDING  
DISCS

Page 4 of 6 Total Pages

---

---

10 STABILITY AND REACTIVITY

---

---

Materials to Avoid:  
None known.

Hazardous Decomposition:  
Stable. Hazardous polymerisation will not occur.

---

---

11 TOXICOLOGICAL INFORMATION

---

---

Effects from Eye Contact:  
Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion. Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

Effects from Inhalation:

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain.

Effects from Ingestion:

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

Other Effects and Information:

Health hazard degree based on the material being abraded. 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.

---

12 ECOLOGICAL INFORMATION

---

Other Effects and Information:

Not determined.

---

13 DISPOSAL CONSIDERATIONS

---

Special Instructions:

Dispose of waste product in a landfill/waste disposal site. Since regulations vary, consult applicable regulations or

authorities before disposal.

---

14 TRANSPORT INFORMATION

---

UN NUMBER :

UN number: Not restricted for  
transportation.

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number:

Class:

Packing Group:

Proper Shipping Name:

CDG-ROAD (if applicable)

ADR/RID CLASSIFICATION:

Class:

Item Number:

ICAO/IATA CLASSIFICATION:

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

---

15 REGULATORY INFORMATION

---

Symbol(s):  
None.

Risk Phrases:

None.

Safety Phrases:

3M GREEN CORPS FLEXIBLE GRINDING  
DISCS

Page 6 of 6 Total Pages

---

None.

---

16 OTHER INFORMATION

---

Regulatory Information:

The following UK Regulations as amended may affect the product as supplied: The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended. The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended. Carriage of Dangerous Goods by Road regulations, 1996, as amended. The Petroleum (Consolidation) Act 1928. The Control of Substances Hazardous to Health Regulations 1999 as amended.

The Special Waste Regulations 1996, as amended. The Environmental Protection Act, 1990 The Health and Safety at Work Act, 1974.

Reissue date/Reason for reissue.

This is first issue.

Intended Use of Product:

Grinding Disc.

The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.