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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:

3M ROLOC(TM) BRISTLE DISC, 3M BRISTLE DISC, 3M ROLOC(TM)
 RADIAL BRISTLE DISC, 3M RADIAL BRISTLE DISC (OBSOLETE)

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
THERMOPLASTIC BINDER	---	35 - 90
ALUMINUM OXIDE OR	1344-28-1	10 - 50
POLYSILOXANE	---	1 - 20

3 HAZARDS IDENTIFICATION

Critical hazards:

Not applicable

4 FIRST-AID MEASURES

Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

Special Instructions:

All first aid statements refer to exposure of dust created by cutting, sanding or grinding.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:**Exposure Hazards:**

Material will not burn.

Hazardous Decomposition:

Carbon monoxide - During Combustion Carbon dioxide - during combustion. Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

Fire-Fighting Procedures:

Wear full protective equipment and a self-contained breathing apparatus.

Special Instructions:

Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Please refer to section 8.

Methods for Cleaning up:

Not applicable.

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Store in a cool, dry place.

Precautions for Safe Handling:

For industrial or professional use only.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact. Use protective glasses and/or face shield as recommended in ANSI Standard

ard Z87.1. To minimize the risk of injury to face and eyes, always wear eye and face protection when working at sanding or grinding operations or when near such operations. The following should be worn alone or in combination, as appropriate to prevent eye contact: Safety glasses with side shields.

Hand Protection:

Wear appropriate gloves to minimize risk of injury to skin from contact with dust or physical abrasion from grinding or sanding.

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding or machining. Assess exposure concentrations of all materials involved in the work process. Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure.

Ingestion:

Wash hands after handling and before eating. Not an expected route of exposure. Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage such as cracks or nicks prior to use. Replace if damaged. Always wear eye and face protection when working at sanding or grinding operations or when near such operations. Sparks and particles flying from the product during sanding or grinding can cause injury and fire.

Recommended Ventilation:

Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

Exposure Limits:

ALUMINUM OXIDE OR (1344-28-1)

UK HSE TWA: Total inhalable dust 10 mg/m³; Respirable dust 4 mg/m³ OES

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Solid brush, no odour.
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not applicable
Flash point:	Not applicable

Autoflammability:	Not applicable
Vapour pressure:	Not applicable
Water Solubility:	Not applicable
Specific gravity:	Not determined
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	Not applicable
Percent Volatile:	Not applicable

10 STABILITY AND REACTIVITY

Materials to Avoid:

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. Prolonged or repeated exposure may cause: Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Effects from Ingestion:

Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation.

Other Effects and Information:

This document covers only the 3M product. For complete assessment, when determining the degree of hazard, the material being abraded must also be considered.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:
Not determined.

Ecofate Data:
Not determined.

13 DISPOSAL CONSIDERATIONS

Product as Sold:
Not applicable. The substrate that was abraded must be considered as a factor in the disposal method for this product. Dispose of waste product in a landfill/waste disposal site. As a disposal alternative, incinerate in an industrial or commercial facility.

Special Instructions:
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

Disclosable Ingredients:

Symbol(s):
 None.

Risk Phrases:
 None.

Safety Phrases:
 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.

Updated sections 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16.

Intended Use of Product:

Abrasive bristle 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.

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