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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
ROCATEC PLUS

3M Product ID:
70-2011-0759-9

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
ALUMINIUM OXIDE	1344-28-1	95.0 - 100.0
AMORPHOUS SILICA	7631-86-9	1 - 5

3 HAZARDS IDENTIFICATION

Critical hazards:
None

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. Get immediate medical attention. Give victim two glasses of water. Never give anything by mouth to an unconscious person.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Non-combustible. Choose material suitable for surrounding fire.

Hazardous Decomposition:

None known. During Combustion

Fire-Fighting Procedures:

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

Special Instructions:

Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Ventilate the area with fresh air. Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Clean up residue. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities.

7 HANDLING AND STORAGE

Precautions for Safe Handling:

Keep container tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Safety goggles are recommended for both operator and patient. Avoid eye contact. The following should be worn alone or in combination, as appropriate to prevent eye contact: Indirect vented goggles.

Skin Protection:

Avoid prolonged or repeated skin contact. Gloves not normally required.

Respiratory Protection:

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Ingestion:

Do not ingest.

Recommended Ventilation:

Use in a well-ventilated area.

Exposure Limits:

ALUMINIUM OXIDE (1344-28-1)

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

AMORPHOUS SILICA (7631-86-9)

UK HSE TWA: 6 mg/m³ Total inhalable dust; 3 mg/m³ Respirable dust OES-----
9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Light grey, odourless, fine powder (less than 10um in diameter).
pH:	Not determined
Boiling point/boiling range:	Greater than 2760 C @ 1 ATM
Melting point/melting range:	Greater than 1926.67 C
Flash point:	Not applicable
Autoflammability:	Not applicable
Vapour pressure:	Not applicable
Water Solubility:	Nil @ 23 C
Specific gravity:	3.96
Vapour density:	Not applicable
Volatile organic compounds:	Not determined
Evaporation rate:	Not applicable
Viscosity:	Not determined
Percent Volatile:	Not determined.

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.

Effects from Skin Contact:

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

Effects from Inhalation:

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and 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:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment.

13 DISPOSAL CONSIDERATIONS

Product as Sold:

Incinerate in an industrial or commercial facility in the presence of a combustible material. For quantities <100 lbs. (50kg): dispose of waste product in a sanitary landfill. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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:

ADR/RID CLASSIFICATION:

Class:

ADR classification:

ICAO/IATA CLASSIFICATION:

Class:

Sub-Risk:

Packing Group:

Proper Shipping Name:

15 REGULATORY INFORMATION

Disclosable Ingredients:

No ingredients required on label.

Symbol(s):

None

Risk Phrases:

None

Safety Phrases:

Do not breathe dust. Use only in well ventilated areas. Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16 OTHER INFORMATION

Regulatory Information:

Reissue date/Reason for reissue.

Updated section 9

Intended Use of Product:

Sand blasting

Limitations on Use of Product:

For use only by dental professionals

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