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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

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Tradename:  
 ROCATEC-SOFT

3M Product ID:  
 70-2011-0758-1

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2 COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient name and classification	CAS number	Percentage
ALUMINIUM OXIDE	1344-28-1	Greater than 95
AMORPHOUS SILICA	7631-86-9	1 - 5

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3 HAZARDS IDENTIFICATION

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Critical hazards:  
 None.

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4 FIRST-AID MEASURES

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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.

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## 5 FIRE-FIGHTING MEASURES

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### 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.

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## 6 ACCIDENTAL RELEASE MEASURES

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### Personal Precautions:

Observe precautions from other sections.

### Methods for Cleaning up:

Collect as much of the spilled material as possible. Clean up residue. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities.

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## 7 HANDLING AND STORAGE

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### Precautions for Safe Handling:

Keep container tightly closed.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Eye Protection:

Avoid eye contact. The following should be worn alone or in combination, as appropriate to prevent eye contact: Safety glasses with side shields.

### 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)

HSE WEL TWA: Total inhalable dust 10 mg/m<sup>3</sup>; Respirable dust  
4 mg/m<sup>3</sup> OES

AMORPHOUS SILICA (7631-86-9)

HSE WEL TWA: 6 mg/m<sup>3</sup> Total inhalable dust; 3 mg/m<sup>3</sup>  
Respirable dust OES

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odour:	Light grey, solid, odourless, fine powder (less than 10um in diameter).
pH:	Not applicable
Boiling point/boiling range:	> 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 applicable
Evaporation rate:	Not applicable
Viscosity:	Not applicable
Percent Volatile:	Not applicable.

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## 10 STABILITY AND REACTIVITY

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Materials to Avoid:

None known.

Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

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## 11 TOXICOLOGICAL INFORMATION

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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.

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12 ECOLOGICAL INFORMATION  
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## 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.

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13 DISPOSAL CONSIDERATIONS  
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## Product as Sold:

Dispose of waste product in a facility permitted to accept chemical waste.

## Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

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14 TRANSPORT INFORMATION  
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## 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:

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15 REGULATORY INFORMATION  
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## 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.

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16 OTHER INFORMATION  
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## 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 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 MSDS

## Intended Use of Product:

Sand blasting

## Limitations on Use of Product:

For use only by dental professionals

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.