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MATERIAL SAFETY DATA SHEET

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Document id : 16-2700-9 Issue date : 02/03/2006
 Version : 5.00 Supersedes date : 03/01/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
 3M(TM) KETAC-FIL PLUS APLICAP / KETAC FIL PLUS LIQUID

3M Product ID:

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
WATER	7732-18-5	60.0 - 65.0
POLYETHYLENE POLYCARBONIC ACID	29132-58-9	30.0 - 40.0
EU Hazard Symbols and Risk Phrases: EU - 3M Classified (Xi; R:36)		
TARTARIC ACID	87-69-4	5 - 10
EU Hazard Symbols and Risk Phrases: EU - Vendor Classified (Xi; R:36)		

3 HAZARDS IDENTIFICATION

Critical hazards:
 Irritant. Irritating to eyes.

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:
 No need for first aid is anticipated.

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:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Hazardous Decomposition:

Irritant vapours or gases. Carbon Monoxide, 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:

Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Clean up residue with a dilute solution (approximately 1 to 5%) of soda ash (sodium carbonate) or baking soda (sodium bicarbonate) in water. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Contain spill. Collect as much of the spilled material as possible. Collect the resulting residue containing solution. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Store away from heat.

Precautions for Safe Handling:

Observe precautions from other sections of this MSDS

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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 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:

Not applicable.

Exposure Limits:

 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Colourless liquid with a slight acidic odour.
pH:	1.5 - 2
Boiling point/boiling range:	100.0 C
Water Solubility:	Complete
Specific gravity:	> 1 Water=1
Vapour density:	< 1 Air=1
Evaporation rate:	> 1 BuOAc=1
Viscosity:	< 10 000 centipoise
Percent Volatile:	Not determined

 10 STABILITY AND REACTIVITY

Materials to Avoid:

None known.

Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

 11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Prolonged or repeated exposure may cause: Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Effects from Inhalation:

No adverse health effects are expected.

Effects from Ingestion:

Ingestion may cause: 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. Components released to the
environment through use and disposal are expected to have
minimal environmental impact.

13 DISPOSAL CONSIDERATIONS

Product after Use:
As a disposal alternative, dispose of waste product in a
permitted hazardous waste facility.

Special Instructions:
Since regulations vary, consult applicable regulations or
authorities before disposal. Incinerate in a permitted
hazardous waste incinerator in the presence of a combustible
material.

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:

POLYETHYLENE POLYCARBONIC ACID; TARTARIC ACID.

Symbol(s):

(Xi) St. Andrew's Cross (Irritant).

Risk Phrases:

(R36) Irritating to eyes.

Safety Phrases:

Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.

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 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 section 7 and 9

Intended Use of Product:

Restorative.

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.

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