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Material Safety Data Sheet

Document id : 10-7917-7 Issue date : 2007/03/08
Version : 9.00 Supersedes date : 2004/06/14

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1 Product Identification

Tradename:
7312 EXPRESS VINYL POLYSILOXANE IMPRESSION MATERIAL STD PUTTY
(INACTIVE)
Product ID:
70-2010-1405-0
Intended Use of Product:
Dental Product
Division:
3M ESPE DENTAL PRODUCTS

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
QUARTZ SILICA	14808-60-7	32 - 40
CALCIUM CARBONATE	471-34-1	30 - 40
SILOXANES AND SILICONES, DI-ME, VINYL GROUP-TERMINATED	68083-19-2	15 - 25
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	5 - 10
IRON OXIDE (FE2O3)	1309-37-1	0.1 - 1.0

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

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3 Hazards Identification

Critical Hazards:

WARNING: Contains a chemical which can cause cancer. (14808-60-7)
(NTP known human carcinogen, IARC human carcinogen 1, Calif.
Proposition 65)

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

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

Instructions for Skin Contact:

No need for first aid is anticipated.

Instructions for Inhalation:

No need for first aid is anticipated.

Instructions for Ingestion:

No need for first aid is anticipated.

5 Fire Fighting Measures

Flash point:

Not applicable

Lower Explosive Limit (%):

Not applicable

Upper Explosive Limit (%):

Not applicable

Autoignition temperature:

Not available

Suitable Extinguishing Media:

Water spray; Carbon Dioxide; Dry chemical;

Exposure Hazards during Fire:

No data available.

Combustion Products from Fire:

None known.

Fire Fighting Procedures:

Not applicable

NFPA: Health

1

NFPA: Fire

1

NFPA: Reactivity

0

NFPA: Unusual Reaction Hazard

none

Special Instructions:

Not applicable.

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6 Accidental Release Measures

Personal Precautions:

Refer to other sections of this MSDS for information regarding
physical and health hazards, respiratory protection, ventilation,
and personal protective equipment. Call 3M-HELPS line
(1-800-364-3577) for more information on handling and managing the
spill.

Spill Response:

Clean up residue. Place in a closed container approved for
transportation by appropriate authorities.

Methods for Disposal:

Dispose of waste product in a sanitary landfill.

7 Handling and Storage

Storage Requirements:

Store in a cool place. Keep container dry.

Incompatible Materials:

None known.

Ventilation:

No data available.

Fire Prevention:

No smoking while handling this material.

Use Instructions:

Keep container tightly closed. Please see package insert for additional precautionary warnings.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

Hand Protection:

Not applicable.

Skin Protection:

No data available.

Respiratory Protection:

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

Ingestion (Prevention):

Do not ingest.

Recommended Ventilation:

Not applicable.

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Ingredient Exposure Data

QUARTZ SILICA (14808-60-7)

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

ACGIH: TWA 0.025 mg/m³ (Respirable) (Table A2)

CALCIUM CARBONATE (471-34-1)

LD50 (rat, oral)

6450 mg/kg

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

ACGIH: TWA 10 mg/m³

SILOXANES AND SILICONES, DI-ME, VINYL GROUP-TERMINATED (68083-19-2)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

> 16 ml/kg

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.
 WHITE MINERAL OIL (PETROLEUM) (8042-47-5)
 Specific Ingredient Data
 No data available.
 LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 CMRG: TWA 5 mg/m3 as mist Category: OIL MIST, MINERAL
 CMRG: STEL 10 mg/m3 as mist Category: OIL MIST, MINERAL
 IRON OXIDE (FE2O3) (1309-37-1)
 LD50 (rat, oral) > 10,000 mg/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 ACGIH: TWA 5 mg/m3 (specific form) as Fe; (Respirable) (Table A4)

 9 Physical and Chemical Properties

Physical form,Color,Odour:	paste; viscous; brown or blue colour when mixed; Odourless;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point,melting range:	Not available
Vapour pressure:	Not applicable
Water Solubility:	Insoluble.
Specific gravity:	� 1.7 water=1
Vapour density:	Not applicable

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 Volatile organic compounds: Not available
 Evaporation rate: Not applicable
 Viscosity: Not applicable
 Percent Volatile: essentially Nil

10 Stability and Reactivity

Conditions to Avoid:
 None known.
 Materials to Avoid:
 None known.
 Hazardous Decomposition:
 None known
 Mix catalyst and base parts together.
 Stability and Reactivity:
 Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:
 Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.
 Effects from Skin Contact:
 No adverse health effects are expected from skin contact.
 Effects from Inhalation:
 No health effects are expected.
 Effects from Ingestion:

No health effects are expected.
Ingestion may cause: Gastrointestinal Effects: Signs/symptoms may include stomach upset, nausea, vomiting and diarrhea.
Sensitization Information:
No data available.
Carcinogenicity:
WARNING: Contains a chemical which can cause cancer. (14808-60-7) (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65)
Mutagenicity:
No data available.
Reproductive Effects:
No data available.
Component Based Information:
No data available.
Product Based Information:
No data available.

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12 Ecological Information

Environmental Data:
Ecotoxicity Data:
No data available.
Ecofate Data:
Other Effects and Information:
Since regulations vary, consult applicable regulations or authorities before disposal.

13 Disposal Considerations

Product as Sold:
No data available.
Product Packaging:
No data available.
Special Instructions:
Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transportation Information

Transportation of Dangerous Goods

TDG Classification: Non-Regulated Material

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: Exempt

NOTE:

This product has been classified in accordance with the hazard

criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:
Deleted Product I.D.'s
Update Tradename (Obsolete product)

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

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