

1. IDENTIFICATION

- A. Product name : Gemma impression materials Putty
 B. Recommended use and restriction on use
 - Recommended use : Medical (Impression materials, dental) -Restriction on use: Not available
 C. Supplier information
 - Company: (주)SamWoo - Address: 140, Guil-ro 8-gil, Guro-gu, Seoul, Korea
 - Emergency phone No: 02) 851-6321 -Department : Production Department

2. HAZARD IDENTIFICATION

- A. Hazard Identification
 Serious Eye damage/Eye irritation : Category 2
 B. GHS label elements, including precautionary statements
 - Hazard symbols



- Signal word : Warning - Hazard statement - H319 : Causes serious eye irritation
 - Precautionary statement
 1) Prevention
 P264 : Wash hands thoroughly after handling.
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.
 2) Response
 P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 : If eye irritation persists: Get medical advice/attention.
 3) Storage : None 4) Disposal : None
 - Other hazards which do not result in classification
 NFPA Code (0~4): Health=1, Fire=1, Reactivity=0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.
Siloxane and Silicone, di-Me,vinyl group terminated	68083-19-2
Siloxane and Silicone, di-Me,Me Hydrogen	69013-23-6
2,4,6,8-Tetramethyl-2,4,6,8-tetravinyl-cyclotetrasiloxane	2554-06-05
Pt-divinyltetramethyldisiloxane in Polysiloxane	68478-92-2
Paraffin Oil	8012-95-1
Petrolatum	8009-03-08
Red No.40 Aluminium Lake	68583-95-9
Blue No.1 Aluminium Lake	15792-67-3
Yellow No.5 Aluminium Lake	12225-21-7
Diatomaceous Earth	68855-54-9
Xylitol	87-99-0
Silica	14808-60-7
Silicon Dioxide	112945-52-5
	7631-86-9
	2216-51-5
	121-32-4
	102-76-1
Edible flavors (blueberries minty 10708)	102-76-1
	57-55-6
	104-57-6

- Contents (%) : Trade Secrets

4. FIRST AID MEASURES

- A. Eye contact
 - Wash eyes immediately with large amounts of water or normal saline until all evidence of material is (at least 15 minutes).
 - Remove contact lenses, if present and rinsing eye.
 - Get medical attention immediately.
- B. Skin contact : Wash immediately with soap and water.
- C. Inhalation : No need for first aid is anticipated.
- D. Ingestion : Get medical attention immediately.
- E. Note to physician : Medical personnel are please to take protective measures to know about the material.

5. FIRE FIGHTING MEASURES

- A. Suitable (Unsuitable) extinguishing media : Does not require a special
- B. Specific hazards arising form the chemical : Does not require a special
- C. Specific protective actions for fire-fighters : Does not require a special

6. ACCIDENTAL RELEASE MEASURES

- A. Personal precautions, protective equipment and emergency procedure : Does not require a special.
- B. Environmental precaution : Does not require a special.
- C. Methods and materials for containment and cleaning up : Does not require a special.

7. HANDLING AND STORAGE

- A. Handling
 - Wash thoroughly after handling.
 - Always the container close up tight.
- B. Storage Precautionary Statements
 - Should be keep in place to avoid direct sunlight and 25°C below
 - Packed and stored in containers of polypropylene.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- A. Exposure limits, biological exposure limits etc : Does not require a special.
- B. Appropriate engineering controls : Does not require a special.
- C. Personal Protective Equipment : Does not require a special.

9. PHYSICAL AND CHEMICAL PROPERTIES

- A. Appearance : Base - White paste, Catalyst - Purple paste
- B. Odor : None
- C. Odor threshold : Not available.
- D. pH : Not available.
- E. Mixing Time : Within 30 seconds
- F. Working Time : Must be at least 30 seconds, more mixing time.
- G. Compatibility with Gypsum : The line of 0.075mm was reproduced complete without cutting.
- H. Consistency : Below 35mm
- I. Detail Reproduction : The line of 0.075mm was reproduced complete without cutting.
- J. Dimensional Change : Below 1.5%
- K. Elastic Recovery : Over 96.5%
- L. Strain-in-Compression : Within 0.8~20%
- M. Capacity : Base 280ml + Catalyst 280ml

10. STABILITY AND REACTIVITY

- A. Chemical Stability & Possibility of Hazardous Reaction : Interception of air and sunlight.
- B. Conditions to avoid : Not applicable
- C. Materials to avoid : Not applicable
- D. Hazardous Decomposition Products : Not applicable

11. TOXICOLOGICAL INFORMATION

- A. The likely routes of exposure: Not applicable.
- B. Health Hazard Information
 - Acute Toxicity: Not applicable.
 - Skin Corrosion/Irritation : Category 2
 - Serious Eye damage/Eye irritation: Not applicable.
 - Respiratory sensitization: Not applicable.
 - Carcinogenicity: Not applicable.
 - Germ Cell Mutagenicity: Not applicable.
 - Reproductive toxicity: Not applicable.
 - Specific target organ toxicity (single exposure): Not applicable.
 - Specific target organ toxicity (repeated exposure): Not applicable.
 - Aspiration hazard: Not applicable.

12. ECOLOGICAL INFORMATION

- A. Ecotoxicity : Not available.
- B. Persistence and degradability : Not available.
- C. Bioaccumulative potential : Not available.
- D. Mobility : Not available.
- E. Other adverse effects : Not available.

13. DISPOSAL CONSIDERATIONS

- A. Disposal methods : Not available.
- B. Special precautions for disposal : Designated as municipal waste

14. TRANSPORT INFORMATION

- A. UN Number : Not available
- B. UN Proper Shipping name : Not available.
- C. Transport hazard class : Not available.
- D. Packing group : Not available
- E. Sea pollutants : Not available
- F. Special precaution for user related to transport or transportation measure : Does not require a special.

15. REGULATORY INFORMATION

- A. Occupation safety and health acts Regulation : Indefinite
- B. Toxic chemicals control act Regulation : Indefinite
- C. Safety control of dangerous substances act Regulation : Indefinite
- D. Wastes control act Regulation : Indefinite
- E. Other local or international Regulation : Indefinite

16. OTHER INFORMATION

- A. Reference
 - Ministry of Labor Notice No. 2013-37
[Classification of chemicals, displays and materials standards for safety data sheets]
 - Korea Occupational Safety & Health Agency, MDL Information Systems, Inc.
- B. Issue date : 2015.03.09
- C. Revision number and Last date revised : 2015. 03. 09 (1st)
- D. General information : Not available.