

## 1. IDENTIFICATION

- A. Product name : Gemma impression materials Heavy Body TUBE, Gemma impression materials Heavy Body  
 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
Palladium-Catalyst 5-10%Pd on activated carbon	7440-05-3
Polyoxyethylene(4) Nonylphenol Ether	9016-45-9
Red No.40 Aluminium Lake	68583-95-9
Blue No.1 Aluminium Lake	15792-67-3
Yellow No.5 Aluminium Lake	12225-21-7
Xylitol	87-99-0
Silica	14808-60-7
Silicon Dioxide	112945-52-5
Edible flavors (blueberries minty 10708)	2216-51-5
	121-32-4
	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 removed (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 60 seconds
- F. Working Time : Must be at least 30 seconds, more mixing time.
- G. Compatibility with Gypsum : The line of 0.050mm was reproduced complete without cutting.
- H. Consistency : Below 35mm
- I. Detail Reproduction : The line of 0.050mm 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 : Cartridge Type - 50ml(Base 25ml + Catalyst 25ml) / TUBE Type - Base 150ml + Catalyst 150ml

## 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.