



# HANDAE CHEMICAL CO.,LTD

56-28, Songdu 4-gil, Jincheon-eup,  
Jincheon-gun, Chungcheongbuk-do, Korea  
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## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY INFORMATION

1.1 Product Name: Impression Material all products

(DENTAL IMPRESSION MATERIAL ALL VISCOSITY )

1.2 General characteristics: a mixture of silicon

1.3 SYNONYMS: N / A

1.4 Use of products: dental impression material

1.5 Manufacturer Info

- 1) Company: HANDAE Chemical Co., Ltd.
- 2) Address: 56-28, Songdu 4-gil, Jincheon-eup, Jincheon-gun, Chungbuk
- 3) departments and personnel responsible for: quality assurance teams MSDS Contact
- 4) Telephone Number: TEL 82-43-534-2191 FAX 82-43-534-2190

1.6 provider, distributor information: Same manufacturer information.

1.7 Create and name of department: Jae Ho You

1.8 Date of creation

1.8.1 Creating the first date: June 18, 2009

1.8.2 Revision Date : June 15, 2020

### 2. COMPOSITION OF PRODUCT

Chemical water quality ratings	CAS Number	Content
VINYL POLY DIMETHYL SILOXANE	68083-19-2	30-60
Platinum Catalyst Complex	68478-92-2	1-2
FUMD SILICA	68909-20-6	2-10
QUARTZ SILICA	14808-60-7	30-50
PIGMENT ORANGE 13	3468-63-1	<2.0

### 3. HAZARDOUS IDENTIFICATION

3.1 Urgent danger, hazard information

- 1) No data available
- 2) NFPA : HEALTH = 1 FIRE = 1 REACTIVITY = 0

3.2 Impact on the eye

- 1) Short-term effects: May cause eye irritation.
- 2) Long-term effects: Short-term effect of exposure and the same.

3.3 Impact on the skin

- 1) Short-term effects: No data available.
- 2) Long-term effects: Short-term effect of exposure and the same.

3.4 Carcinogenicity

- 1) Occupational Safety and Health Act: No
- 2) Occupational Safety and Health Administration (OSHA): No
- 3) International Agency of Research on Cancer(IARC): No

## 4. FIRST AID MEASURES

### 4.1 Eye contact

Immediately chemicals entering the eye is not left until the wash water flows will get (at least 10-20 minutes)

Will receive immediate medical attention.

### 4.2 Skin contact

Wash in lukewarm water, if necessary, would be a doctor.

### 4.3 Ingestion

Emetic and a doctor immediately if necessary, will be.

## 5. FIRE FIGHTING MEASURES

### 5.1 Flash point, Auto-ignition temperature, the lowest threshold Prints / Lower Flammability Limits

- Flash Point: None

- Auto-ignition temperature: No data available

### 5.2 For transportation and regulatory information: N / A

### 5.3 Extinguishing media: All extinguishing media regulations

### 5.4 Digestion methods and equipment

You do not want to risk container from fire area if you have to move.

Might be far away from the fire area.

Against the wind, and fire digestion Avoid inhalation of vapors.

Relationship with other personnel will be evacuated quickly.

Combustible materials from around the fire was moving quickly.

### 5.5 Hazardous Combustion: CO, CO<sub>2</sub>, SiO<sub>2</sub>

### 5.6 Extinguishing media that must not be used: No data available

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Measures to protect human

Ignition off and smoke, flame, embers would block

Forbidding access to essential personnel will restrict access.

Necessary to protect the environment 6.2 Environmental precautions

Spilled material in appropriate container for disposal will be collected.

Was two away from water and sewer.

### 6.3 cleansing and removal

The waste materials will be recovered in a container.

## 7. HANDLING AND STORAGE

### 7.1 Handling

Wear appropriate protective equipment and wash thoroughly after handling.

### 7.2 STORAGE

Used to close the lid of the container.

Will keep a cool place.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION GEAR

- 8.1 Engineering measures: No Data
- 8.2 Respiratory protection: Not applicable
- 8.3 Eye protection: Safety goggles, washing facilities
- 8.4 Hand protection: protective gloves as needed
- 8.5 Body Protection: Wear appropriate protective clothing and equipment
- 8.6 Given the hygiene precautions: wash hands clean after using the product.
- 8.7 EXPOSURE LIMITS: N / A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance: Paste
- 9.2 Odor: Smell odor
- 9.3 PH: No data
- 9.4 Water solubility: Insoluble
- 9.5 Boiling Point: No data
- 9.6 Melting point / Melting range: Not available
- 9.7 Explosive: No data
- 9.8 Oxidizing: No data
- 9.9 Vapor Pressure: No data
- 9.10 Specific Gravity: 1.2 to 1.3 (water = 1.0)
- 9.11 Partition coefficient: No data
- 9.12 Vapor Density: No data available
- 9.13 Viscosity: 7,000 ~ 8,000 centipoise
- 9.14 Molecular Weight: No data

## 10. STABILITY AND REACTIVITY

- 10.1 Stability: Stable
- 10.2 Materials to avoid: No data
- 10.3 Hazardous decomposition products: CO, CO<sub>2</sub>, SiO<sub>2</sub>
- 10.4 The possibility of hazardous materials: Hazardous Polymerization at room temperature and pressure reaction no.

## 11. TOXICOLOGICAL INFORMATION

- 11.1 Product: No data
- 11.2 Carcinogenicity: Not prescribed by Occupational Safety and Health Act
- 11.3 Acute Toxicity Level: No data

## 12. IMPACT ON THE ENVIRONMENT

- 12.1 ECOLOGICAL INFORMATION: No data
- 12.2 Soil Mobility: No data
- 12.3 Persistent and degradability: No data
- 12.4 Bioaccumulation Potential of her water: No data

## 13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods: Industrial Waste Disposal

13.2 Disposal considerations: Absolute prohibition of unauthorized disposal or incineration

## 14. TRANSPORT INFORMATION

This Product is not regulated as a hazardous material by the IATA transportation regulations.

Any dangerous in the flight.

U.S. DOT (Department of Transportation): No labeling requirement

## 15. LEGAL REGULATIONS

15.1 Occupational Safety and Health Act by the regulations

Occupational Safety and Health Act: U.S. Policy

15.2 Hazardous Chemicals Control Act and other administrative departments of the chemical substances regulated by law

Hazardous Chemicals Control Act: U.S. Policy

## 16. OTHER INFORMATION

16.1 Source of data: The company has imported raw materials and MSDS

16.2 Resources

Korea Industrial Safety KOSHANE NET Material Safety Data Sheet

Material Safety Data Sheet for creating, based on a beach, etc.

(Korea Ministry of Labor Notification No. 96-12)

16.3 MSDS for the new information immediately when the issue is expected to describe its contents.

16.4 The materials we have created with the best information, based on the accuracy of the information contained in this document was complete and no guarantee or be held responsible by the user in connection with your use of this material

If you do use the suitability of the information will not be responsible for. Each user of the data used for this purpose whether the meeting should determine their own risk.