

IMPRESSION MATERIAL

(All Viscosities - Putty/Heavy/Light/Medium/Deli-Bite)

SAFETY DATA SHEET

1. Identification

Manufacturer : Sherpa Korea
Address : 2nd floor 474 Sinpyeong-dong
City, State, Zip : Saha-gu, Pusan, Korea, 49421
Telephone : 82-51-206-2823
Emergency : 82-2-861-2041
Date Prepared : 8 Nov 2016

2. Hazard(s) Identification

MOST IMPORTANT HAZARDS

Adverse human health effects : Slightly irritating to eyes
Environmental effects : Presents no particular risk to the environment provided the disposal requirements (see section 13) and national or local regulations are complied with.

Physical and chemical hazards

- **Fire or explosion** : Combustible solid.
Explosive vapour/air mixtures may be formed above 200°C.
- **Further hazards** : Violent reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10 : "Stability-Reactivity").
- **Classification/Specific hazards** : According to EEC criteria, this product is not classified as a "hazardous preparation".

3. Composition / Information on Ingredients

This product contains no hazardous components as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical nature : Polyvinyl siloxane, filler and colorant.
Components contributing to the hazard : None
Components presenting hazards : - Base : PLATINUM (CAS: 7440-06-4)
- Catalyst : POLYMETHYLHYDROGENOSILOXANES (CAS: 69013-23-6)

4. First-Aid Measures

Inhalation : Not specifically applicable.
Skin contact : Wipe off as much as possible (using a clean, soft, absorbent material).
Wash with soap and water.
Eye contact : Rinse with water whilst keeping the eyes wide open.
Ingestion : Consult a doctor if necessary.
Do not give an unconscious person anything to drink.

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5. Fire-Fighting Measures

Extinguishing media

- **Suitable** : Water spray.

Foam.

Carbon dioxide (CO₂).

- **Not suitable** : None to our knowledge. If there is a fire close by use suitable extinguishing agents.

Specific hazards . : Combustible.

During combustion.

Toxic and flammable vapours are released (explosion hazard).

Specific fire fighting methods : Cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters : Self-contained breathing apparatus.

6. Accidental Release Measures

Personal precautions : - appropriate gloves.

Personal protective equipment

Environmental precautions : This product does not present any particular risk for the environment.

Methods for cleaning up

- **Recovery** : Collect up the product and place it in a spare container : - suitably labeled.

- with a closing device.

Keep the recovered product for subsequent disposal.

- **Cleaning / Decontamination** : Then wash with plenty of water.

Dencontaminate and wash the floor with an appropriate self-emulsifying solvent.

- **Disposal** : Dispose of materials or solid residues at an authorized site.

7. Handling and Storage

HANDLING

Technical measures : Does not require any specific or particular measures.

Safe handling advice : Comply with instruction for use (refer to technical sheet).

STORAGE

Technical measures : Does not require any specific or particular technical measures.

Storage condition

- **Recommended** : Stable under normal storage condition.

Incompatible products : Alkalis and caustic products

Strong oxidizing agents.

Refer to the detailed list of incompatible materials (section 10 "Stability/Reactivity")

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Packaging : - Steel drums varnished with epikote.
- Plastic container.

Packaging materials : Coated steels.

- **Recommended** Plastic materials (polyethylene, polypropylene).

8. Exposure Controls / Personal Protection

Engineering measures : No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

Control parameters

Occupational exposure limits

- **Limits (U.S.A / A.C.G.I.H)** : TLV (TWA) : 1mg/m³.
(for platinum).

Personal protective equipment

- **Eye protection** : Handling product in bulk :
Safety spectacles.

Hygiene measures : Do not drink, eat or smoke in the workplace.

9. Physical and Chemical properties

APPEARANCE

- **Physical state** : Viscous paste.
- **Colour** : Base : grey-white colored paste
Catalyst : Various colored paste.

Odour : none.

pH : Not applicable

Specific temperatures

Decomposition temperature : >200°C.

Flammability characteristics

- **Flash point.** : >200°C (Closed cup, according to method ASTM D-56).
- **Auto-ignition temperature** : >400°C (Spontaneous ignition temperature).

Oxidizing properties : Non oxidizing material according to EEC criteria.

Vapour pressure : <0.01kPa at 20°C.

Specific gravity : 1.55 g/cm³ at 25°C.

Solubility

- **in water** : Pratically insoluble.
- **in organic solvents** : Dispersible (partial solubilisation) in : - diethylether
- chlorinated solvents.
- aromatic hydrocarbons (toluene, xylene).
- Aliphatic hydrocarbons.

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10. Stability and reactivity

Stability : stable at room temperature.

Harzardous reactions

- **Material to avoid** : - alkalis and caustic products.
- strong oxidizing agents.

Reacts with :

- Chemical compounds with mobile hydrogen, in the presence of metal salt and complexes.

- A fire or explosion hazard arises since highly flammable gas (hydrogen) is released when it is in contact with :

- **Hazardous decomposition product** : On combustion or on thermal decomposition (pyrolysis) releases :
Flammable vapours which may generate fire or explosion hazards.
toxic gases.

(Carbon oxides (CO+CO2)).

(Hydrogen)

Quantity of hydrogen potentially released : 5 l/kg of product.

11. Toxicological information

Acute systemic toxicity : LD 50 skin (Rat) : >2000 mg/kg.
(Results based on a similar formulation).

LD 50 oral (Rat) : > 2000 mg/kg.

In vitro cytotoxicity (Agar overlay) : No Cytotoxicity (Grade 0).

Sensitization test : LD 15 skin (Guinea Pig)

No erythema and edema formation.

Local effects : Not irritating to rabbits on cutaneous application.

(Result based on a similar formulation).

May cause slight temporary irritation to ocular mucous membranes.

12. Ecological information

MOBILITY

Precipitation : Slightly soluble, the product remains on the water surface.

Expected behaviour of the product : Ultimate destination of the product : SOIL and SEDIMENT.

BIODEGRADABILITY

- **Ultimate aerobic biodegradability** : Not biodegradable.

BIOACCUMULATION

Bioconcentration factor : Not potentially bioaccumulable.

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ECOTOXICITY

Effects on the aquatic environment : Effects on the aquatic environment : No specific information available, however, by analogy, this product is not considered to present any particular risk to the aquatic environment.

13. Disposal considerations

WASTE FROM RESIDUES

Prohibition : Do not discharge waste into drains.
Do not allow the product to be released into the environment.

Destruction / Disposal : Dilute with a flammable solvent and incinerate at a licensed installation.
Un-vulcanized product : Dispose of at a licensed waste collection point.
Vulcanized product : May be disposed of with non hazardous industrial waste.

CONTAMINATED PACKAGING

Decontamination/cleaning : Scrape or drain carefully:
Destruction/Disposal : Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.
Dispose of at an approved site.

NOTE : The user's attention is drawn to the possible existence of local regulations regarding disposal.

14. Transport information

INTERNATIONAL REGULATIONS

Land

- Rail/road (RID/ADR) : NOT restricted.
- Sea (IMO/IMDG)** : NOT restricted.
- Air (ICAO-IATA)** : NOT restricted.

NOTE : The above regulatory prescriptions are those valid on the date of publication of this sheet.

Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. Regulatory information

LABELLING

EEC regulations : Mandatory labelling (self-classification) of hazardous preparations: Not applicable.

NOTE : The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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16. Other information

HMIS (Hazardous Material Identification System) Rating:

H1 F0 R0

[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard; 2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]
