

MATERIAL SAFETY DATA SHEET

PRODUCT : **SILICONE MASTERBATCHSMB-955**

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1. Identification of the substance/preparation and the company

Trade Name :SMB-955 **Description:** SILICONE RESIN MASTERBATCH FORMULATION

MANUFACTURER :
PERFORMANCE POLYMERS

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2. Composition/information on ingredients

Processed mixture : Non-Hazardous

3. Hazards Identification

Hazard warning not required.

4. First Aid Measures

In case of eye contact rinse with plenty of running water. Get medical attention immediately.
In case of normal skin contact remove product mechanically. In case molten material comes in contact with skin donot attempt to remove it- flush affected area with plenty of cold water and cover with a clean dressing. Have burnt treated by a medical doctor.
Should the product be swallowed give plenty of water & immediately seek medical advice.
In case of inhalation of vapours of this products under heated conditions should any signs or symptoms of illness occurs remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult get medical attention.
Inhalation of decomposition products from processing conditions or from smoking fluoro polymer contaminated tobacco may cause temporary flu like illness known as 'polymer-fume fever'. Treatment should be symptomatic.

5. Fire Fighting Measures

Extinguishing media : CO₂, foam, sprayed water jet, extinguishing dry powder.
Procedures : Wear full protective clothing, including helmet, self-contained positive air supply or demand breathing apparatus, tunic and trousers (leggings) , bands around arms, waist & legs, face mask, and protective covering for exposed areas of head.

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6. Accidental Release Measures

Take up spilled material and dispose of as in section on disposal methods or can be recycled.

7. Handling And Storage

Do not store near sources of heat with high temperatures. Product may become electrostatically charged during pouring or filling. Do not mix in food and tobacco products.

8. Exposure Controls / Personal Protection

Eye protection : Wear goggles with side shields; When handling observe the usual precautionary measures for chemicals including appropriate gloves & other aids during processing to avoid burns & contact with skin.
Respiration protection : Avoid inhalation of vapours. If thermal decomposition occurs select full face supplied air respirator or full face pressure demand self-contained breathing apparatus.
Ingestion Protection : Donot eat drink or smoke when using this product. Wash hands after handling and before eating.

9. Physical And Chemical Properties

- **Form** : Visous Liquid
- **Colour** : White / Off white
- **Odour** : Odourless
- **Boiling point** : Not applicable
- **Density** : approx. 0.97 g/cm³ at 25 °C
- **Vapour pressure** : n.a
- **Viscosity** : n.a
- **Kinematic** : n.a
- **Solubility in water** : Insoluble
- **pH value** : not applicable
- **Flash point** : > 300 °C
- **Ignition temperature** : > 340 °C
- **Explosive limits** : Limits not determined.

10. Stability And Reactivity

- **Thermal decomposition** : Thermal decomposition starts at 340 to 350 deg C and reactions with metals in powder form occur from 370 deg C onwards.
- **Hazardous decomposition products** : No hazardous decomposition products known at room temperature. Oxides of carbon & silicon, gases/vapours and formaldehyde are formed at very high temperatures.
- **Hazardous reactions** : Strong Acids, oxidising agents, Alkali & alkaline earth metals, contact to be avoided.
- **Further information** : If air is present and the temperature is approximately 150°C or higher, formaldehyde is formed in small amounts through oxidative decomposition.

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11. Toxicological Information

Eye Contact at Ambient temperature: Not a likely route of exposure for this product.
Skin Contact at Ambient temperature : None but wear suitable personal protection. Non-irritant.
Inhalation at Ambient temperature : Not a likely route of exposure for this product. Non-irritant.
Ingestion at Ambient temperature: Not a likely route of exposure for this product if personal protection instructions are followed.

12. Ecological Information

Polydimethylsiloxanes may undergo limited abiotic degradation; there is no evidence of bioaccumulation. Pentaerythritol Tetrakis in 100% form is non-bio degradable & has toxicity value LC50 >100 mg/l to Zebra fish in 96 hours.

Ecotoxic effects - Donot discharge the product un-monitored into the environment

13. Disposal Considerations

Recycling: Product can be recycled

Incineration: May be incinerated in a suitable facility provided local regulations are observed. Combustion products will include hydrogen fluoride, oxides of carbon & other vapours.

Dispose of waste product in a landfill/waste disposal site. Since regulations vary, consult applicable regulations or authorities before disposal.

14. Transport Information

- GGVSee / IMDG : -- UN No. : -- MFAG : -- EmS : --
- PG : -- MPO : --
- GGVE/GGVS : Class -- No. -- RID/ADR : Class -- No. --
- ADNR : Class -- No. -- Cat -- ICAO/IATA-DGR : not restricted .
- Declaration for land shipment : none
- Declaration for sea shipment : none
- Declaration for shipment by air : None
- Other Information :
Not dangerous cargo. Keep dry. Keep separated from foodstuff.

15. Regulatory Information

S-Phrases - S61 Avoid release to the environment & dispose as per methods indicated in MSDS

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16. Other Information

- Precautions :
This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, and possible residue-remaining in the body.
- Any other Precaution :
Other (an address, and telephone and fax numbers for information, references)
The information herein is made based on references, information and data available at present. It may be revised when new information is available. The descriptions herein are for normal handling. For special applications, make safety provisions suitable to them prior to use.

* * * END OF MSDS * * *

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

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