

# Material Safety Data Sheet

## 1. Chemicals and Corporate Identity

- 1.1 Item name: Silicone rubber
- 1.2 Product code of manufacturer:
- 1.3 Classification of Dangerous chemicals:
- 1.4 Classification of dangerous su Not yet assessed
- 1.5 Supplier's Name: Integrity Products & Supplies Inc.  
Address: #188, 2121 Premier Way, Sherwood Park, AB T8H 0B8

## 2. Components/composition information

- 2.1 Chemical classification: Compound
- 2.2 Physical form: Gel
- 2.3 Color: Translucent
- 2.4 Main application: Can be used as a temperature-resistant rubber
- 2.5 Dangerous components: No
- 2.6 Chemical substance name:                      CASNO                      Wt%
  - Methyl Vinyl Polymethylsiloxane                      68951-99-5                      55-75
  - Ordinary silica fume                      7631-86-9                      20-40
  - Hydroxyl-terminated Silicone Oil                      70131-67-8                      <8

## 3. Hazardous Appraisal

- 3.1 Hazard categories: No
- 3.2 Risk information: No (The container stored in a well ventilated place, away from combustible items, smoking is not allowed. Avoiding contact with skin and eyes)
- 3.3 Exposure pathways: Skin contact and accidental swallowing
- 3.4 Health hazard :
  - Acute effect
  - Eyes: Direct contact may cause temporary redness and uncomfortable feeling
  - Skin: A short time exposure won't have a significant effect
  - Inhale: A short time exposure won't have a significant effect
  - Ingestion: With only a very low intake of normal use
  
  - Chronic influence
  - Skin: No suit data
  - Inhale: No suit data
  - Ingestion: Swallowing large or repeated intake can cause internal damage
- 3.5 The influence of excessive expos The normal condition,single exposure won't have the harmful

## 4. First aid measures

- 4.1 Eyes: Immediately flush with water

- 4.2 Skin: No need first-aid
- 4.3 Inhale: No need first-aid
- 4.4 Ingestion: medical treatment

## **5. Fire-fighting measures**

- 5.1 Flammability: Inflammable
- 5.2 Flashing point: >150° C closed cup test
- 5.3 Ignition temperature: Not determined
- 5.4 Upper explosive limit: Not determined
- 5.5 Lower explosive limit: Not determined
- 5.6 Hazardous characteristics: No
- 5.7 Fire extinguishing agent: When the big fire use dry chemical, foam or water mist; Small fire use carbon dioxide, dry chemical or water mist. Water cool the container exposed to the fire.
- 5.8 Special fire fighting procedure: Put out the fires involving chemical, wear a self-contained. According to breathing apparatus and protective clothing. The local emergency plan, decide whether to evacuate or isolate the area, water cool the container exposed to the fire.
- 5.9 Hazardous combustion products: Silica, carbon dioxide and trace the incomplete combustion of carbon
- 5.10 Forbid using of fire extinguish: Uncertain

## **6. Accidental Release Measures**

- 6.1 Personal protection: Avoid contact with skin and eyes. Avoid inhalation
- 6.2 Environmental Considerations: Don't eat. With sand, earth or other appropriate inhibitor moisture, keep container seal, to prevent proliferation or into the sewers, the drain or river.
- 6.3 Methods of Eliminating: According to the local emergency plan, decide whether to evacuate and isolate the area or not. Comply with the listed advice in this material safety data sheet of all personal protective equipment .If the items of containment can be sucked up, that should be loaded in the container. With suitable adsorbent cleaning residue leakage. Clean up the spill area appropriately, because some silicone items even in very small also can produce satiny hazards. Demand to use of steam, solvent or detergent for final cleaning. Appropriate treatment soaked saturation absorption agent or cleaning supplies, because it could also apply to used to clean up the leak of material goods.

## **7. Handling and Storage**

- 7.1 Storage Note: Stored in a cool and ventilated warehouse and avoid the sun, cut off from sources of heat and fire. When transporting must unload lightly with light packs, prevents the packing container harm.

## **8. Contact control/personal protection**

- 8.1 Contact control personal protection
  - Eye protection: Use proper protection - safety glasses are the basic required
  - Hand protection: No special protection
  - Skin protection: Dine and after work should be fully clean
  - Personal hygiene measures: Good industrial hygiene practices, please wash after operation.

Especially before eating and smoking

#### 8.2 The leakage of personal protective equipment

Respiratory protection: No need respiratory protective equipment

Eye protection: Use proper protection - safety glasses are the basic required

Skin protection: Dine and after work should be fully clean

Preventive action: Avoid contact with skin and eyes. Do not eat. Take proper protection

### 9. Physical and Chemical Properties

9.1 Physical form: Colloid

9.2 Color: Translucence

9.3 Smell: Not reported

9.4 Flash point: >150° C closed up test

9.5 Explosive: No

9.6 Oxidbillity: No

9.7 Relative Density(water=1): 1.10~1.30

9.8 Molecular weight (25°C): 500000~700000

Above is for reference only, it could be customized.

### 10. Stability and Reactivity

10.1 Stability: Stable

10.2 Reactivity:

Avoid contact with conditions: No

Forbid mixing thing: No

Decomposition product: Silica, carbon dioxide and trace the incomplete combustion of carbon

Aggregation of risk: No the harm of polymerization reaction

### 11. Toxicological information

11.1 Health hazard: Refer to chapter 3.4

11.2 Sensitization: Unknown

11.3 Mutagenicity: Unknown

11.4 Reproductive genetic: Unknown

11.5 Carcinogenicity: No

11.6 Other health hazard information: No suit data

### 12. Ecology information

12.1 Bioaccumulation: No biological accumulation ability

12.2 The influence of wastewater treatment plants: Stick with sewage sludge , it can be removed more than 90%. Had no harmful effect on bacteria. The product of siloxance is not part of the BOD.

12.3 Further information environment: According to the requirement to provide additional information about the silicone compound environment.

### 13. Waster disposal

13.1 Method of product waster disposal: According the local statues

13.2 Method of packaging waster disposal: According the local statues

#### **14. Transport information**

14.1 In accordance with the provisions of non-dangerous goods Packing Method: Carton

#### **15. Regulatory information**

15.1 Applicable regulations: Applicable to non-dangerous goods regulations

#### **16. Other information**

16.1 Additional health hazard data: No Data