



## SHANDONG DAYI CHEMICAL CO.,LTD

### SAFETY DATA SHEET

Add: No 1. Danya West Road, Laiyang City, Shandong province

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#### 1. IDENTIFICATION OF THE CHEMICAL AND ENTERPRISE

- 1.1 Name of the product: Silicone oil  
1.2 H.S.Code: 39100000  
1.3 CAS NO: 63148-62-9  
1.4 Chemical classification: Silicone  
1.5 Classification of dangerous substance: None  
1.6 Company introduction:  
Name of company : Shandong Dayi Chemical Co.,Ltd  
Address: No 1. Danya West Road, Laiyang City, Shandong province  
Telephone Number: (0535)7360696  
Fax Number: (0535)7387127  
Emergency Telephone Number:(0535)7360696  
Contact Person: Jane

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

- 2.1 Chemical characterization: Single component  
2.2 Physical Form: Liquid  
2.3 Color: Colorless  
2.4 Use: Mould release agent, intermediate in making  
2.5 Hazardous Ingredients
- | Chemical name            | CASNo. | %(w/w) | Smbols&Health Risk Phrases |
|--------------------------|--------|--------|----------------------------|
| No hazardous ingredients |        |        |                            |

#### 3. HAZARDS IDENTIFICATION

- 3.1 Overall Hazard Classification: Not hazardous  
3.2 Hazard Information: Do not contact eyes  
3.3 Route of Exposure: Inhalation, Skin contact and Accidental Ingestion  
3.4 Possible Health Effects:  
Acute  
Eyes: Direct contact may cause temporary redness and discomfort  
Skin: No significant irritation expected from a single short-term exposure  
Inhalation: No significant irritation expected from a single short-term exposure  
Chronic  
Skin: Repeated or prolonged contact may cause irritation  
Inhalation: No known applicable information  
Ingestion: No known applicable information  
3.5 Signs and Symptoms of overexposure: No significant adverse effects form a single exposure



expected form normal use

#### **4. FIRST AID MEASURES**

- 4.1 Eyes: Immediately flush with water
- 4.2 Skin: No first aid should be needed
- 4.3 Inhalation: No first aid should be needed
- 4.4 Ingestion: Get medical attention
- 4.5 Comments: Treat symptomatically
- 4.6 Note to physicians: Treat symptomatically. For further information, the medical practitioner should contact with Shandong Dayi Chemical Co.Ltd

#### **5. FIRE FIGHTING MEASURES**

- 5.1 Flammability: Flammable
- 5.2 Flash point: >290°C (open cup)
- 5.3 Autoignition Point: Not determined
- 5.4 Lower Flammability: Not determined
- 5.5 Upper Flammability: Not determined
- 5.6 Hazardous Flammability: None
- 5.7 Extinguishing Media: Dry chemical, foam or water spray
- 5.8 Special Fire Fighting Procedures and equipment: Determined the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
- 5.9 Hazardous Combustion Products: Silicones dioxide, carbon oxides and traces of incompletely burned carbon compounds.
- 5.10 Unsuitable Extinguish Media: None established

#### **6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal Precautions: Avoid eye contact. Do not take internally.
- 6.2 Environmental Precautions: Prevent from spreading or entering into drains or rivers.
- 6.3 Methods for Cleaning up: Recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbant. Clean area as appropriate since spilled materials. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to release and disposal of this material, as well as those materials and items employed in the clean up of releases. You will need to determine which laws and regulations are applicable.

#### **7. HANDLING AND STORAGE**

- 7.1 Handling Precautions: Use with the adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating and smoking.
- 7.2 Storage Conditions: Use reasonable care and store away from oxidizing materials.
- 7.3 Unsuitable Packaging Materials: None established.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Industrial Hygiene Standards:

Ingredients	CASNo.	Exposure Limits
None known		

### 8.2 Engineering Controls

Local Ventilation: None should be needed

General Ventilation: Recommended

### 8.3 Personal Protective Equipment for Routine Handling

Respiratory protection: None should be needed

Hand protection: No special protection needed

Skin protection: Washing at mealtime and end of shift is adequate

Hygiene Measure: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking

### 8.4 Personal Protective Equipment for Spills

Respiratory protection: No respiratory protection should be needed

Eye protection: Use proper protection-safety glasses as a minimum

Skin protection: Washing at mealtime and end of shift is adequate

Precautionary Measures: Avoid eye contact. Do not take internally. Use reasonable care

Note: When is heated to 150 celsius, it may release traces of harm air, then adequate ventilation is needed. These precautions are for room temperature handling. Use at elevated temperature may require added precautions. For further information, please refer to the guidance document or contact the Daya customer service group.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form: Liquid

9.2 Color: Colorless

9.3 Odor: Slight odor

9.4 PH: Not determined

9.5 Solubility: Soluble in the solvent of alkane and arene

9.6 Boiling Point: >65°C

9.7 Melting Point: Not determined

9.8 Flash Point: >290°C

9.9 Autoignition temperature: Not determined

9.10 Explosive properties: No

9.11 Oxidizing properties: No

9.12 Vapour Density(25°C): Not determined

9.13 Specific Gravity: 0.967

9.14 Octanol/water partition: Not determined

9.15 Vapour Density(air=1): Not determined

9.16 Viscosity: 100mpa.s

9.17 Molecular Weight: Not determined

## 10. STABILITY AND REACTIVITY



10.1 Stability: Stable

10.2 Reactivity:

Conditions to Avoid: None

Materials to Avoid: Strong oxidizing material can cause a reaction

Hazardous Decomposition: Silicone dioxide, Carbon oxides and traces of incompletely burned carbon

## 11. TOXICOLOGICAL INFORMATION

11.1 Possible Health Effects: Refer to Section 3.4

11.2 Sensitizing Effects: None known

11.3 Mutagenic Effects: None known

11.4 Reproductive Effects: None known

11.5 Carcinogenic Effects: None known

11.6 Other Health Hazard: No known applicable information

## 12. ECOLOGICAL INFORMATION

12.1 Environmental Fate and Distribution

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

12.2 Environmental Effects:

No adverse effects on aquatic organisms.

Bilaccumulation: No bioaccumulation potential

12.3 Fate and Effects in Waster Treatment Plants:

Removed >90°C by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.

12.4 Additional Environmental Information:

Additional environmental information on the silicone component is available on request

## 13. DISPOSAL CONSIDERATIONS

13.1 Product Disposal: Dispose of in accordance with local regulations.

13.2 Packaging Disposal: Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

14.1 Road and Rail Transport: Not be restrained

14.2 Ocean shipment: Not subject to IMDG code

14.3 Sea Transport(IMDG):Not subject to IATA regulations

## 15. REGULATORY INFORMATION

15.1 Applicable Laws:

Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.

15.2 Chemical Inventories:

AICS: All components are listed on ENCS or its exempt rule



IECSC: All ingredients listed or exempt

DSL: All chemical substances in this material are included on or exempted from the DSL

TSCA: All chemical substances in this material are included on or exempted from listing on  
the TSCA Inventory of Chemical Substances

EINECS: All ingredients listed or exempt

PICCS: All ingredients listed or exempt

KECL: All ingredients listed, exempt or notified

## 16. OTHER INFORMATION

16.1 Contact Point: Technical Service Engineer(0535)7388735 Sun Jingxiang

Prepared by: Shandong Dayi Chemical Co.,Ltd

This information is offered in good faith as typical values and not as a product

Specification.No warranty, expressed or implied, is hereby made. The recommended  
industrial hygiene and safe handling procedures are believed to generally applicable.

However, each user should review these recommendations in the specific context of the  
intended use and determine whether they are appropriate.

**ISSUED DATE: 20130628**