

# Safety Data Sheet

## Section 1 Product Identification

Product Name: D – Ring, V-Ring and Sand Band

Product Description: This SDS covers the following products

Product Type	Sizes
D-Ring	225mm – 2100mm
V-Ring	525mm - 2400mm
Sand Band	300mm – 2400mm
Prelube Rings	300mm – 2400mm ( See additional SDS for Silicone Oil)

Importer: VSRP Holdings Pty Ltd  
Unit 3, 10 Banksia Place  
South Windsor NSW 2756  
Tel 02 8834 9958

Emergency Phone Number: +61 421 908 091 or +61 404 615 550

Recommended use and Restrictions on use: Concrete Pipe rubber seal for construction purpose

## Section 2 Hazard Identification

### GHS Classification

Flammable Gases:	Not applicable
Oxidising gases:	Not applicable
Gases under pressure:	Not applicable
Flammable Liquids:	Not applicable
Flammable solids:	No
Oxidising Liquids:	Not applicable
Corrosive to metals:	Not applicable

### Acute toxicity

Oral:	Not applicable
Dermal:	Not applicable
Inhalation (Gases):	Not applicable

Inhalation (Vapours) :	Not applicable
Inhalatin (Dusts/Mists)	Not applicable
Skin Corrosion / Irritation:	Not applicable
Serious eye damage / eye irritation:	Not applicable
Sensitisation	
Respiratory:	Not applicable
Skin:	Not Applicable
Germ cell Mutagenicity:	Classification not possible
Carcinogenicity:	Classification not possible
Reproductive toxicity:	Classification not possible
Specific target organ toxicity (Single Exposure)	Classification not possible
Specific target organ toxicity (Repeated exposure)	Classification not possible
Aquatic environment	
Acute hazard:	None
Long – term hazard:	minimal impact
Other hazards which do not result in GHS classification:	
No information available	
Important Symptoms:	
No information available	
Summary of assumed emergency	
No Information available	

## Section 3 Composition / Information on Ingredients

Name	Symbol	Cas No.	Composition
Natural rubber	CSV10, CSV3L	9006-04-6	65 - 70%
Calcium Carbonate	CaCO <sub>3</sub>	1317-65-3	20 - 25%
Diethylhexyl phthalate	DOP	117-81-7	3 - 5%
Carbon black	N330	1333-86-4	2 - 3 %
Zinc Oxide	ZnO	1314-13-2	1 - 2%

## Section 4 First Aid Measures

### 4.1 Description of first aid measures

1. Eye Contact: Wash with plenty of water. Seek medical attention.
2. Skin contact: No serious health effect. Wash contact area with water and soap
3. Inhalation: No serious health effect. If nausea, move the exposed individual to fresh air
4. Ingestion: Do not induce vomiting. Seek medical attention

### 4.2 Most important Symptoms and effects, both acute and delayed

1. Eye Contact: N/A
2. Skin Contact: N/A
3. Inhalation: Long term exposure in non - ventilated area may result in mild headache
4. Ingestion: N/A

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## Section 5 Fire Fighting Measures

### 5.1 Extinguishing media

Carbon dioxide

### 5.2 Specific hazards arising from the substance or mixture

During fire, Carbon Monoxide and Carbon Dioxide are formed

### 5.3 Advice for Firefighters

Fight advanced or massive fires from safe distance or protected location. Move container from fire area if it can be done without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. Otherwise withdraw and let fire burn out. Keep up-wind to avoid fumes. Avoid heat, flame and other sources of ignition.

Protective equipment for fire fighters: Use appropriate protective equipment as required.

## Section 6 Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

During working wear protective clothing

### 6.2 Environmental Precautions

N/A. Solid product can be disposed. No major environmental concern with spillage as this is not applicable.

### 6.3 Methods and material for containment and cleaning up

Solid product can be disposed of when not required

## Section 7 Handling and Storage

### 7.1 Precautions for safe handling

Keep away from hydrocarbon

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place, away from direct sunlight, away from hydrocarbons. Do not store near heat sources or expose to high temperatures. Keep away from Combustible materials.

## Section 8: Exposure controls and personal protection

### Section 8.1 Control Parameters

N/A

### Section 8.2 Personal Protective Equipment

Respiratory Protection

Mask if required

Hand Protection

Rubber glove

Eye Protection

Safety goggle if required

## Section 9: Physical and Chemical Properties

Physical State:	Solid
Colour:	Black
Odour:	Yes
pH:	N/A
Melting Point/ Freezing point:	unknown
Boling point:	Unknown
Initial Boiling Point:	Unknown
Boiling Range:	unknown
Flash Point:	Unknown
Evporation rate:	Unknown
Flammabiity ( Solid, gas)	Not a flammable solid
Lower flammability or explosire	
Limits:	Unknown
Upper Flammability or explosive	
Limits:	unknown
Vapour pressure:	Unknown
Vapour Density:	Unknown
Specific Gravity:	
Solubility:	Insoluble In water
Partition coefficient:	Unknown
Auto – ignition Temperature;	Unknown
Decomposition Temperature:	
Viscosity:	
Other Information:	Not Available

## Section 10 Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable at storage conditions described in section 7.
Possibility of hazardous reactions:	Not available
Conditions to Avoid:	Avoid contact with direct sunlight, flame, spark and high temperature
Incompatible materials:	Hydrocarbons
Hazardous decomposition products	Carbon monoxide and carbon dioxide generated by ignition

## Section 11: Toxicological Information

Acute toxicity  
n/A

Skin Corrosion / Irritation  
N/A

Serious eye damage / eye irritation  
None

Respiratory sensitisation or skin sensitisation  
None

Germ Cell Mutagenicity  
Unknown

Carcinogenicity  
N/A

Reproductive toxicity  
Unknown

Specific target organ toxicity – Single Exposure  
Unknown

Specific target organ toxicity – repeated exposure  
Unknown

Aspiration Hazard:  
Unknown

## Section 12: Ecological information

Ecotoxicity

Persistence / Degradability  
No Information Available

Bioaccumulative Potential  
No Information Available

Mobility in Soil  
No information available

Hazardous in soil  
No Information available

Hazardous to the Ozone layer  
No Information available



## Section 13: Disposal Considerations

Residual wastes:

Disposal of material must be in accordance with current applicable laws and regulations

## Section 14: Transport Information

International Regulations:

Un Number	Not Applicable
UN classification	Not Applicable
Packing Group	Not Applicable
Marine Pollutant	Not Applicable
Proper shipping name:	Not Applicable

Domestic Regulations

Not applicable

Special precautions

None

Special Precautions and conditions in transport:

Secure load during transport and storage. Avoid extremely heavy items placed on top to avoid damage to the product

## Section 15: Regulatory Information

None

## Section 16: Other Information

None



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**ChemFine International Co., Ltd.****SAFETY DATA SHEET**

Add: ROOM 924, NO. 813 YINXIU ROAD, WUXI CITY, JIANGSU, CHINA

Tel: 86-510-82753588 Fax: 86-510-82753598

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

1.1 Name of the product: Silicone oil

1.2 CAS NO: 63148-62-9

1.3 Chemical classification: Silicone

1.4 Classification of dangerous substance: None

1.5 Company introduction:

Name of company :ChemFine International Co., Ltd.

Address: ROOM 924, NO. 813 YINXIU ROAD, WUXI CITY, JIANGSU, CHINA

Telephone Number: 86-510-82753588

Fax Number: 86-510-82753598

Emergency Telephone Number: 86-510-82753588

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical characterization: Single compoment

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**

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 ChemFine International Co., Ltd.

## 5. FIRE FIGHTING MEASURES

- 5.1 Flammability: Flammable
- 5.2 Flash point: >310°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
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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 Chemfine 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 freezing Point:  $<-65^{\circ}\text{C}$

9.7 Melting Point: Not determined

9.8 Flash Point:  $>310^{\circ}\text{C}$

9.9 Autoignition temperature: Not determined

9.10 Explosive properties: No

9.11 Oxidizing properties: No

9.12 Vapour Density( $25^{\circ}\text{C}$ ): Not determined

9.13 Specific Gravity: 0.97

9.14 Octanol/water partition: Not determined

9.15 Vapour Density( $\text{air}=1$ ): Not determined

9.16 Viscosity: 12500 mPa.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 avaiable 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 subjet 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 Prepared by: ChemFine International 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.