

# Material Safety Data Sheet

## Silica Grease

Authorization date: 2016/02/16  
Print Date: 2016/02/16

Revision date: 2016/02/16  
Version: 2016-01

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: Silica Grease  
Intended use: Machine maintenance

Supplier: RBC Bioscience Corp.  
3F, 3F.-1,2, No. 132, Ln. 235, BAO QIAO Rd., Xindian Dist.,  
New Taipei City 23145, Taiwan (R.O.C.)  
Phone Number: +886-2-8912-1200  
Emergency telephone number: +886-2-8912-1200

### 2. CHEMICAL CHARACTERISATION

**Component 1:**

Ingredients 90-95% Polydimethylsiloxane  
CAS Number 63148-62-9

**Component 2:**

Ingredients <10% Fumed Silica  
CAS Number 112945-52-5

### 3. HAZARDS IDENTIFICATION

\*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*

No hazardous substances in concentrations to be declared.

\*\*\*\*\*

**Potential Health Effects:**

Eye: Direct contact may cause temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Inhalation: No significant effects expected from a single short-term exposure.

Oral: Low ingestion hazard in normal use.

### 4. FIRST AID MEASURES

General Advice: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes, Including under eyelids, with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing and shoes. Wash with soap and water as a precaution. Get medical attention if irritation persists.

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly and drink plenty of water afterwards. Get medical attention if symptoms appear.



# Material Safety Data Sheet

## 5. FIRE FIGHTING MEASURE

Flashpoint Deg C: Not available.

Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, because this will spread the fire.

Hazards during firefighting: In fire conditions, toxic decomposition products may be formed.

Hazardous Combustion Products: Carbon oxides, amorphous silica.

Flammability of the Product: Combustible.

Special precautions for fire-fighters: Water spray should be used to cool containers.

Special protective equipment for fire-fighters: No unusual fire or explosion hazards are expected.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions protective equipment and emergency procedures: Wear appropriate personal protection equipment Use local ventilation if necessary

Environmental Precautions: Prevent material from entering sewers, waterways, or low areas. Avoid other environmental releases. Collect spilled material.

Methods for Containment and Clean-Up: Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

Container must be kept tightly closed. Absorb with sand or other inert absorbent.

To clean the floor and all objects contaminated by this material, use an appropriate solvent. Flush area with plenty of water. Incinerate in suitable combustion chamber

## 7. HANDLING AND STORAGE

Storage of some materials is regulated by federal, state, and/ or local laws.

Storage Pressure: Ambient

Handling Procedures:

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Keep closed or covered when not in use.

Storage Procedures: Suitable for most general chemical storage areas.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Drinking, and when leaving work. Have a safety shower available

Respiratory: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.



# Material Safety Data Sheet

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/physical state: Grease.  
Color: White.  
Order: No odor.  
Water Solubility: Insoluble.  
Base Oil Solubility: Miscible with aliphatic & aromatic hydrocarbons, diethylether, chlorinated solvents. Very slightly soluble in acetone & ethanol.  
Oxidizing properties: Not considered as oxidizing.

## 10. STABILITY AND REACTIVITY

Stable under normal conditions.  
Conditions to Avoid: Strong-oxidizing agents.  
Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors, and amorphous silica.  
Hazardous Polymerization: Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

No toxic, no infectious, no corrosive material inside.  
Not applied to IATA DGR  
Proper Shipping Name: Not determined.  
Subsidiary Hazards: Not determined.

## 12. Ecological Information

Eco-toxicological Information: No ecological information available.  
Environmental Fate (Degradation, Transformation, and Persistence): Bio-concentration is not expected to occur.

## 13. DISPOSAL CONSIDERATIONS

Regulatory Information: Not applicable.  
Disposal Method: Clean up and dispose of waste in accordance with all federal, state, and or local environmental.

## 14. TRANSPORT INFORMATION

No toxic, no infectious, no corrosive material inside.  
Not applied to IATA DGR  
Proper Shipping Name: Not determined.  
Subsidiary Hazards: Not determined.



**RBC**Bioscience

# Material Safety Data Sheet

## 15. OTHER INFORMATION

WHMIS Rating 0-4:

FIRE:0.

HEALTH: 2.

REACTIVITY: 0

Abbreviations

N/A - Data is not applicable or not available

SARA - Superfund and Reauthorization Act

HMIS - Hazard Material Information System

WHMIS - Workplace Hazard Materials Information System

NTP - National Toxicology Program

OSHA - Occupational Health and Safety Administration

IARC - International Agency for Research on Cancer

PROP 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986

EINECS - European Inventory of Existing Commercial  
Chemical Substances