



MATERIAL SAFETY DATA SHEET

Product name: RL- 201 Silicone oil

Issue Date: 20/05/2021

1, IDENTIFICATION OF THE COMPANY

Product name: RL-201 Silicone Oil

Company name: ZHEJIANG RONGLI HIGH-TECH MATERIALS CO., LTD

Address: Qi Tang Xiang Xiang Zhuang Cun, Gaoqiao Town, Tongxiang City, Zhejiang Province

Tel: +86 573-88991405

Email address: yang@ronglisilicone.com

Emergency Telephone Number: Tel: +86 573-88991405

2, HAZARDS IDENTIFICATION

Hazard classification

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

Other hazards

No data available

3, COMPOSITON/INFORMATION ON INGREDIENTS

Formula:		(-Si(CH ₃) ₂ O-)n		
Ingredient:		Polydimethylsiloxane 99- 100%		
CAS-No.	EC-No.	Index-No.	Classification	Concentration
63148-62-9	-	-	-	-

Contains no hazardous ingredients according to GHS

4. FIRST AID MEASURES

Inhalation: If inhaled, move victim to fresh air and seek medical attention.

Skin contact: Wash off with soap and plenty of water. Get medical attention if symptoms occur.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion: Induce vomiting immediately and call a physician.



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5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water spray. Alcohol-resistant foam. Carbon dioxide (CO₂).

Dry chemical.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon oxides. Silicon oxides.

Unusual Fire and Explosion Hazards: Exposure to combustion products may be a hazard to health.

Advice for firefighters

Fire Fighting Procedures: Use water spray to cool unopened containers. Evacuate area. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Keep people away from the area. Work from the windward side. Remove all sources of ignition.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount of spill is small.

7. HANDLING AND STORAGE

Precautions for safe handling: Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied.



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Use only with adequate ventilation. See engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Conditions for safe storage: Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents.

Unsuitable materials for containers: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Exposure controls

Engineering controls: Well ventilated area Eyewash stations

Individual protection measures

Eye/face protection: Use safety glasses (with side shields).

Skin and body protection: Rubber boots and protection.

Hand protection: Impermeable or chemical resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	liquid
Color	colourless
Odor	characteristic
Odor Threshold	No data available
pH	No data available
Melting point/range	No data available
Freezing point	No data available
Boiling point (760 mmHg)	> 35 °C (> 95 °F)
Flash point	closed cup >120 °C (248 °F)
Evaporation Rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	Not applicable
Flammability (liquids)	Ignitable (see flash point)
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor Pressure	No data available
Relative Vapor Density (air = 1)	No data available



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Relative Density (water = 1)	0.93
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic Viscosity	±10% viscosity at 25 °C (77 °F)
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Molecular weight	No data available
Particle size	Not applicable

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Can react with strong oxidizing agents. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required.

Conditions to avoid: None known.

Incompatible materials: Oxidizing agents

Hazardous decomposition products:

Decomposition products can include and are not limited to: Formaldehyde.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute Oral Toxicity: no data available

Acute inhalation toxicity: no data available

Acute dermal toxicity: no data available

Typical effect Skin irritation: no data available

Eye irritation: no data available

Carcinogenicity: no data available

Mutagenicity: no data available

Toxicity to reproduction: no data available

Teratogenicity: no data available



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Further information: no data available

12. ECOLOGICAL INFORMATION

Chemical fate: no data available

Persistence /Degradability: no data available

Bioaccumulation: no data available

13. Disposal considerations

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with local laws and regulations. This material and its container must be disposed of in a safe manner

Treatment and disposal methods of used packaging: Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

14. TRANSPORT INFORMATION

International regulation : Non DG under air and ship transport

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

This product is not intended to be transported in bulk.

15. REGULATORY INFORMATION

Applicable regulations: This safety data sheet was prepared in accordance with the Regulation of Labelling and Hazard Communication of Hazardous Chemicals.

Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste: Not listed.

United States TSCA Inventory (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION



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Quotation documents

ACGIH TLV for Chemical Substances

Chemical safe administration data book (The Chemical Daily Co., Ltd.)

Precaution

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 conforming safety. Never use for human applications such as implant, impregnation, and possible residue-remaining in the body.

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