

ZHEJIANGRUNHEORGANOSILICONENEWMATERIAL CO.,LTD

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME HYDROGEN TERMINATED DIMETHYLSILOXANE
SILICONE FLUID

CODE RH-501

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

<u>CAS NO.</u>	<u>Component Name</u>
70900-21-9	Hydrogen-Terminated PolyDimethylsiloxane

SECTION 3 - HAZARDS IDENTIFICATION

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

SECTION 4 - FIRST AID MEASURES

Eye Immediately flush with water.

Skin No first aid should be needed.

Inhalation No first aid should be needed.

Oral No first aid should be needed.

Comments Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point >85°C

Autoignition temperture Not determined.

Flammability limits in air Not determined.

Extinguishing media On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide(CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual fire hazards None.

Hazardous decomposition products

Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

Formaldehyde. Hydrogen.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Containment/Clean up

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Section 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Materials in contact with water, moisture, acids or bases have the potential to generate hydrogen gas. Recovered material should be stored in a vented container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and materials and items employed in the cleanup of releases.

SECTION 7 - HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact.

Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks and flame.

Product evolves minute quantities of flammable hydrogen gas which can accumulate. Adequately ventilate to maintain vapors well below flammability limits and exposure guidelines. Do not repackage. Do not store in glass containers which may shatter due to pressure build up. Clogged container vents may increase pressure build up. Keep container closed and store away from water or moisture.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Component Exposure Limits There are no components with workplace exposure limits.

Personal Protective Equipment

Eyes Use proper protection-safety glasses as a minimum.

Skin Washing at mealtime and end of shift is adequate.

Suitable gloves No special protection needed.

Inhalation No respiratory protection should be needed.

Suitable respirator None should be needed.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form Liquid

Color Colorless

Odor Odorless

Specific gravity at 25°C

Viscosity 2-500cSt

Refractive index at 25°C 1.3900~1.4100

Freezing/Melting point Not determined.

Boiling point > 150°C

Vapor pressure at 25°C Not determined.

Vapor density 2-500.

Solubility in water Not determined.

PH 6.0-7.0

Note The above information is not intended for use in preparing product specifications.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability Stable.

Conditions to Avoid None.

Materials to Avoid Oxidizing material can cause a reaction. Water, alcohols, acidic or basic materials, and many metals or metallic compounds, when in contact with product, liberate flammable hydrogen gas, which can form explosive mixtures in air.

Hazardous Polymerization Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No known applicable information

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicological information No data at this time.

Chemical fate information No data at this time

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name Hydrogen-Terminated PolyDimethylsiloxane

Hazard Class 3, Flammable liquid

UN/NA Number 1993

Packing Group III

SECTION 15 - REGULATORY INFORMATION

CAS Number 68037-59-1

UN Number 1993

Hazard indication Flammable liquid

SECTION 16 - ADDITIONAL INFORMATION

The above information is usual data and not be regarded as technically standard when using, which is according as regulate of environment and transport. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular proposes.