

ZheJiangRunHeSilicone New Material Co., Ltd.

浙江润禾有机硅新材料有限公司

ZheJiangRunHe

P.R.China

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www.chinarunhe.com

RH-3308

MSDS

1 Identification of substance:

Product details:

Product name: Methylvinylchlorosilane

Company name: ZHEJIANGRUNHESILICONE NEW MATERIAL CO., LTD.

Telephone: +86- (0)572 8022208 Fax: +86-(0)572 8023666

2 Composition/Data on components:

Methylvinylchlorosilane (CAS# 124-70-9); Min. 98%

EINECS Number: 204-710-3

3 Hazards identification

Hazard description:

C Corrosive

F Highly flammable

Information pertaining to particular dangers for man and environment

R 11 Highly flammable.

R 14 Reacts violently with water.

R 34 Causes burns.

Classification system

HMIS ratings (scale 0-4)

(Hazardous Materials Identification System)

Health (acute effects) = 3

Flammability = 2

Reactivity = 2

4 First aid measures

General information

Immediately remove any clothing soiled by the product.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

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After swallowing Seek immediate medical advice.

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5 Fire fighting measures

Suitable extinguishing agents

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

For safety reasons unsuitable extinguishing agents Water

Special hazards caused by the material, its products of combustion or resulting gases:

Reacts violently with water

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Hydrogen chloride (HCl)

Silicon oxide

Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

6 Accidental release measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

Measures for environmental protection:

Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Keep away from ignition sources.

Additional information:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Information for safe handling:

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Storage

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Information about storage in one common storage facility:

Store away from water/moisture.

Store away from alcohols

Do not store together with oxidizing and acidic materials.

Do not store together with alkalies (caustic solutions).

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Store under lock and key and with access restricted to technical experts or their assistants only.

8 Exposure controls and personal protection

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Components with limit values that require monitoring at the workplace:

Not required.

Additional information: No data

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment:

9 Physical and chemical properties:

General Information

Form: Clear liquid

Color: Colorless

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	92 ° C
Sublimation temperature / start:	Not determined
Flash point:	4 ° C
Ignition temperature:	320 ° C
Decomposition temperature:	Not determined
Danger of explosion:	Not determined

Product is not explosive. However, formation of explosive air/vapor mixtures is possible.

Explosion limits:	Not determined
Lower:	Not determined
Upper:	Not determined
Vapor pressure:	at 20 ° C
Density:	1.08 g/cm ³

Solubility in / Miscibility with

Water: Reacts violently

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

Decomposition will not occur if used and stored according to specifications.

Materials to be avoided:

Water/moisture

Alcohols

Acids

Oxidizing agents

Bases

Dangerous reactions Reacts violently with water

1 Toxicological information

Acute toxicity:

Primary irritant effect:

on the skin:

Corrosive effect on skin and mucous membranes.

Irritant to skin and mucous membranes.

on the eye:

Strong corrosive effect.

Irritating effect.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity:

Corrosive materials are acutely destructive to the respiratory tract, eyes, skin and digestive tract.

Eye

contact may result in permanent damage and complete vision loss. Inhalation may result in respiratory effects such as inflammation, edema, and chemical pneumonitis. May cause coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Ingestion may cause damage to the

mouth, throat and esophagus. May cause skin burns or irritation depending on the severity of the

exposure.

Additional toxicological information:

Swallowing will lead to a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

12 Ecological information:

General notes:

Do not allow material to be released to the environment without proper governmental permits.

13 Disposal considerations

Product:

Recommendation

Consult state, local or national regulations to ensure proper disposal.

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Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

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14 Transport information

DOT regulations:

Hazard class: 3/8

Identification number: UN2985

Packing group: II

Proper shipping name (technical name):

Corrosive liquid, water-reactive, n.o.s.

(Vinylmethyldichlorosilane)

Land transport ADR/RID (cross-border)

ADR/RID class: 3 Corrosive substances, 8 flammable substances

UN-Number: 2985

Description of goods: Corrosive liquid, water-reactive, n.o.s.

(Vinylmethyldichlorosilane)

Maritime transport IMDG:

IMDG Class: 3/8

UN Number: 2985

Packaging group: II

Proper shipping name: Corrosive liquid, water-reactive, n.o.s.

(Vinylmethyldichlorosilane)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3/8

UN/ID Number: 2985

Packaging group: II

Proper shipping name: Corrosive liquid, water-reactive, n.o.s.

(Vinylmethyldichlorosilane)

15 Regulations

Product related hazard informations:

Hazard symbols:

C Corrosive F Highly flammable

Risk phrases:

11 Highly flammable.

14 Reacts violently with water.

34 Causes burns.

Safety phrases:

- 8 Keep container dry.
- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 20 When using do not eat or drink.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 30 Never add water to this product.
- 33 Take precautionary measures against static discharges.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
- 45 In case of accident or if you feel unwell, seek medical advice immediately.
- 60 This material and its container must be disposed of as hazardous waste.

National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

Information about limitation of use:

For use only by technically qualified individuals.