

Material Safety Data Sheet

Section 01. Identification of the substance/mixture and the company/undertaking

Product name: RJ-H80
Chemical classification: Organosilicone
Use of product: Building waterproofing agent

Company details:
Manufacturer/Supplier: Hangzhou Ruijiang Performance Material Science Co.,Ltd
Address: Floor 12th, No. 99, Huaxing Road, Hangzhou, China
Telephone number: +86-571-28828106
Fax number: +86-571-88854175 88930225
Emergency telephone number: +86-571-28828106 (only available in working days)

Section 02. Composition/information on ingredients

CAS-No. 2943-75-1
Material n-Octyltriethoxysilane
Content % 50-55
CAS-No. 1318-02-1
Material Zeolites
Content % 45-50

Section 03. Hazards identification

Signal word Warning

Potential health effects

Acute effects

Eye May cause mild irritation
Skin May cause moderate irritation
Inhalation Irritates respiratory passages very slightly
Oral Swallowing large amounts may cause drowsiness.

Prolonged/Repeated exposure effects

Skin Overexposure may injure internally if absorbed
Inhalation No known applicable information
Oral Overexposure by ingestion may injure the following organs:
nervous system, brain, thymus, bladder, spleen.

Section 04. First aid measures

Eyes	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes while holding the eyelid(s) open. Immediately obtain medical attention.
Skin	As quickly as possible remove contaminated clothing, shoes and leather goods. Quickly and gently blot or brush away excess chemical. Immediately flush with lukewarm gently flowing water for 15 minutes. Completely decontaminate clothing, shoes and leather goods before reuse or discard. Obtain medical attention.
Ingestion	Never give anything by mouth if victim is rapidly losing consciousness or convulsing. DO NOT INDUCE VOMITING. Have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Obtain medical attention.
Inhalation	Remove contaminated clothing and shoes and move to fresh air immediately. Get medical aid.

Section 05. Fire-fighting measures

Suitable extinguishing media

Sand, water-mist, CO₂, dry chemical or alcohol-resistant foam

Unsuitable extinguishing media

None known.

Fire fighting procedures

Cool endangered containers with water. Fire fighters should wear full protective clothing including a positive pressure self-contained breathing apparatus..

Section 06. Accidental release measures

Precautions

Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

Containment

Prevent material from entering surface waters, drains or sewers and soil. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

Methods for cleaning up

Sweep up and dispose according to local/state/federal regulations.

Section 07. Handling and storage

Handling

Precautions for safe handling

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.

Storage

Conditions for storage

The product should be stored in a shady, dry place with the temperature 0°C-40°C

Section 08. Exposure controls/personal protection

Engineering Controls

General Ventilation Recommended

Personal Protective Equipment

Eyes	Use proper protection-safety glasses as a minimum
Hand	Use butyl rubber protective gloves
Respirators	General Ventilation is recommended, appropriate respiration protection should be worn

Section 09. Physical and chemical properties

Appearance

Physical State	Powder
Color	White
Odor	Slight

Safety parameters

Boiling Point	Not determined
Flash Point	>100°C (closed cup)
Freezing/Melting Point	Not determined
Ignition Temperature	Not determined
Explosion Limits: Lower	Not determined
Explosion Limits: Upper	Not determined
Specific Gravity/Density	0.55 g/cm ³ at 25°C

Section 10. Stability and reactivity

Chemical Stability	Stable
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Conditions to Avoid	Moisture
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Materials to Avoid

React with acid and alkali chemical materials

Section 11. Toxicological properties

Acute toxicity data for product

No known applicable information.

Special hazard information on components

No known applicable information.

Section 12. Ecological information

Environmental ecotoxicity

The product is predicted to have low toxicity to aquatic organisms.

Aquatic toxicity

No known applicable information

Mobility

Silicone content: Absorbed by floating particles. Separation by sedimentation.

Persistence and degradability

Elimination by adsorption to activated sludge. The product of hydrolysis is readily biodegradable.

Potential to bioaccumulation

Bioaccumulation is not expected to occur.

Section 13. Disposal considerations

Product and packaging disposal

Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Section 14. Transport information

US DOT & CANADA TDG SURFACE

Valuation.....: Not regulated for transport

Transport by sea IMDG-Code

Valuation.....: Not regulated for transport

Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

Section 15. Regulatory information

Labeling according to EEC Directive

EU Hazard Symbols

Xi Irritant

EU Risk Phrases

R36/38 Irritating to eyes and skin

EU Safety Phrases

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves and eye protection.

Safety, health and environmental regulations/legislation specific for the substance or mixture

Status

EINECS : All ingredients listed, exempt or notified (ELINCS).

TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances

AICS : All ingredients listed, exempt or notified.

IECSC : All ingredients listed or exempt.

KECL : All ingredients listed, exempt or notified.

PICCS : All ingredients listed, exempt or notified.

DSL : All ingredients listed or exempt.

Section 16. Other information

Additional information

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.