

# Material Safety Data Sheet

## Kieselzol

### Identification of the substance/preparation and of the company

Product Name: Kieselzol  
Product Description: Preparation  
Synonyms: Silicic Acid

Company Identification: SPL International  
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North Cheshire Trading Estate  
Prenton  
Wirral  
Cheshire  
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United Kingdom

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### Composition/Information on substance

Chemical Composition: 30% aqueous solution of colloidal Silicic acid.  
CAS No.: Not applicable.  
Classification: Non hazardous.  
Risk Phrases: Not applicable.  
Safety Phrases: Not applicable.

### Hazard Identification

Inhalation: No observable effects.  
Ingestion: Mild irritation of gastrointestinal tract may occur.  
Eye Contact: Mild irritation may occur.  
Skin Contact: May cause mild irritation if contact with skin is prolonged.  
Other information: Unlikely to cause harmful effects under normal conditions of handling and use.

### First Aid Measures

Inhalation: Remove to fresh air. If recovery is not rapid or complete, seek medical attention.  
Ingestion: Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.  
Eye Contact: Irrigate thoroughly with water for at least 15 minutes. If irritation persists obtain medical attention.  
Skin Contact: Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.



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### Fire Fighting Measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding environment.  
 Special exposure hazards: None.

### Accidental Release Measures

Personal Precautions: Rinse of small quantities with plenty of water.  
 Environmental Precautions: None known.  
 Methods for Cleaning: Collect spillages on sand or proprietary absorbent. Flush away residues with water.

### Handling & Storage

Handling: When handling observe the usual precautionary measures for chemicals.  
 Storage: Protect from frost.

### Exposure Controls/Personal Protection

Exposure Limits: Not known

#### Personal Protection

Respiratory Protection: Not required.  
 Hand Protection: Gloves.  
 Eye Protection: Safety Goggles.  
 Body Protection: Not required.

### Physical & Chemical Properties

Appearance: Pale milky white liquid.  
 Odour: Odourless.  
 Viscosity (at 20C): <5 cps / mPa.s  
 pH (at 20C): 10 (+/- 0.5)  
 Boiling Point: 100°C  
 Freezing Point: 0°C  
 Flash Point: N/A  
 Flammability: Non-flammable.  
 Relative Density: 1.2g/ml (+/- 0.02)

### Stability & Reactivity

Stability: Stable.  
 Conditions to Avoid: Temperatures below 5°C.  
 Materials to Avoid: None.  
 Hazardous Decomposition: None.



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### Toxicological Information

Toxicological tests on chemically identical products yielded the following results:

Acute toxicity:	LD <sub>50</sub> oral, rat: > 15 000 mg/kg
Rabbit skin (24hr):	Non-irritant
Rabbit eyes:	Non-irritant
Inhalation:	This product is not regarded as harmful.
Ingestion:	This product is non-toxic through ingestion.
Eye Contact:	May cause irritation.
Skin Contact:	This product is not a primary skin irritant.

### Ecological Information

Ecological tests on chemically identical products yielded the following results:

Acute bacterial toxicity:	activated sludge micro-organism: EC <sub>50</sub> = 10 000 mg/L
Acute fish toxicity:	Zebra barbel (Brachydanio rerio) LC <sub>50</sub> 5000mg/L
Water pollution class (WGK):	0 - not generally hazardous to water

(own classification)

WGK = Classification in accordance with the German Water Resources Act.

### Disposal Consideration

Examine possibilities for re-utilisation.

May be added to waste water in sufficiently diluted form provided local regulations are observed.

Solidify with gypsum and dump on a suitable landfill.

### Transport Information

Avoid temperatures below 5°C.

### Regulatory Information

This product is not classified as dangerous and is not subject to identification requirements.



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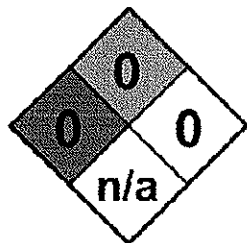
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### Other Information

NFPA



HMIS

1	Health
0	Flammability
0	Reactivity
B	Protective Equipment

SPL International has compiled the information contained in this data sheet to the best of its own knowledge and of available reliable data.

Since the use of our products is beyond our control, no warranty, guarantee or liability arising from the use of this information or the products to which the information refers is expressed or implied.



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