

# SAFETY DATA SHEETS

According to American OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Version: 1.0  
Creation Date: Sept. 1, 2023  
Revision Date: Sept. 1, 2023

## 1. Identification

### 1.1 Product identifier

Product name Spot & Stain Cleaner

### 1.2 Other means of identification

Product number -

Other names -

### 1.3 Recommended use of the chemical and restrictions on use

Identified uses Fabric cleaning

Uses advised against no data available

### 1.4 Details of the supplier of the safety data sheet

Company Suzhou FervorBlue Biological Technology Co., Ltd.

Address No.78 Keling Road, SND Zone, Suzhou, P.R.China

Telephone +86-512-68059070

### 1.5 Emergency phone number

Emergency phone number +86-512-68059070

Service hours Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

## 2. Hazard(s) identification

### 2.1 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation, Category 2A

### 2.2 GHS label elements, including precautionary statements

Hazard pictogram(s)



Signal word Warning

Hazard statement(s) H319 Causes serious eye irritation

Precautionary statement(s)

Prevention

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Storage

none

Disposal

none

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

no data available

## 3. Composition/information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

Chemical name	Common names and synonyms	CAS number	EC number	% [weight]
Water	Water	7732-18-5	231-791-2	>84.49%
1-methoxypropan-2-ol	Propylene glycol methyl ether	107-98-2	203-539-1	<3%
Alcohols, C12-15, ethoxylated	Fatty alcohol polyoxyethylene ether	68131-39-5	500-195-7	<3%
D-Glucopyranose, oligomers, decyl octyl glycosides	Alkyl glycoside	68515-73-1	500-220-1	<3%
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	GLDA	51981-21-6	257-573-7	<2%

POLYDIMETHYLSILOXANE POLYMER	Polyether modified polydimethylsiloxane	68937-54-2	614-822-8	<2%
Isotridecanol, ethoxylated	Isocidyl alcohol polyoxyethylene ether	9043-30-5	500-027-2	<2%
Citric acid	Citric acid	77-92-9	201-069-1	<0.5%
1,2-benzisothiazol-3(2H)-one	Benzoisothiazolinone	2634-33-5	220-120-9	<0.01%

## 4. First-aid measures

### 4.1 Description of necessary first-aid measures

#### Following inhalation

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

#### Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

#### Following eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

#### Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

### 4.2 Most important symptoms/effects, acute and delayed

no data available

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

no data available

## 5. Fire-fighting measures

### 5.1 Suitable extinguishing media

Use dry chemical, carbon dioxide or alcohol-resistant foam.

### 5.2 Specific hazards arising from the chemical

#### Hazardous combustion products

no data available

### 5.3 Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapors. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### 6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

### 7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure limit values

<b>Component</b>	Propylene glycol methyl ether	
<b>CAS No.</b>	107-98-2	
	<b>Limit value - Eight hours</b>	<b>Limit value - Short term</b>

<b>Component</b>	Propylene glycol methyl ether			
<b>CAS No.</b>	107-98-2			
	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
<b>Australia</b>	100	369	150	553
<b>Austria</b>	50	187	50	187
<b>Belgium</b>	100	375	150	568
<b>Canada - Ontario</b>	100		150	
<b>Canada - Québec</b>	100	369	150	553
<b>Denmark</b>	50	185	100	370
<b>European Union</b>	100	375	150	563
<b>Finland</b>	100	370	150 (1)	560 (1)
<b>France</b>	50	188	100	375
<b>Germany (AGS)</b>	100	370	200 (1)	740 (1)
<b>Germany (DFG)</b>	100	370	200	740
<b>Hungary</b>		375		568
<b>Ireland</b>	100	375	150 (1)	568 (1)
<b>Israel</b>	100	369		
<b>Italy</b>	100	375	150	568
<b>Latvia</b>	100	375	150 (1)	568 (1)
<b>New Zealand</b>	100	369	150	553
<b>South Korea</b>	100	360	150	540
<b>Spain</b>	100	375	150	568
<b>Sweden</b>	50	190	150 (1)	568 (1)
<b>Switzerland</b>	100	360	200	720
<b>The Netherlands</b>		375		563
<b>Turkey</b>	100	375	150 (1)	568 (1)
<b>USA - NIOSH</b>	100	360	150 (1)	540 (1)
<b>United Kingdom</b>	100	375	150	560
	<b>Remarks</b>			
<b>European Union</b>	Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)			
<b>Finland</b>	(1) 15 minutes average value			
<b>France</b>	Bold type: Restrictive statutory limit values			
<b>Germany (AGS)</b>	(1) 15 minutes average value			
<b>Germany (DFG)</b>	STV 15 minutes average value			
<b>Ireland</b>	(1) 15 minutes reference period			
<b>Italy</b>	skin			
<b>Latvia</b>	(1) 15 minutes average value			
<b>Spain</b>	skin			
<b>Sweden</b>	(1) 15 minutes average value			
<b>Turkey</b>	(1) 15 minutes average value			
<b>USA - NIOSH</b>	(1) 15 minutes average value			

### Biological limit values

no data available

## 8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

#### Skin protection

Wear fire/ flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

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## 9. Physical and chemical properties

Appearance	Colorless to light yellow liquid.
Odor	Odorless
Odor threshold	no data available
pH	7~9
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	>93.3 °C
Evaporation rate	no data available
Flammability	Not flammable
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	0.95~1.05
Solubility(ies)	Water soluble
Partition coefficient n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	<25

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## 10. Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

no data available

### 10.6 Hazardous decomposition products

no data available

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## 11. Toxicological information

### Acute toxicity

- Oral: pure CAS 107-98-2: LD50 - rat (female) - 4 277 mg/kg bw.; pure CAS 68131-39-5: LD50 - rat (male/female) - > 5 000 mg/kg bw.; pure CAS 77-92-9: LD50 - mouse (male/female) - 5 400 mg/kg bw. Remarks: Observation limited to 10 days.; pure CAS 2634-33-5: LD50 Rat oral 1020 mg/kg
- Inhalation: pure CAS 107-98-2: LC0 - rat (male/female) - > 7 000 ppm.; pure CAS 68131-39-5: LC50 - rat (male/female) - > 100 mg/m<sup>3</sup> air.
- Dermal: pure CAS 107-98-2: LD50 - rat (male/female) - > 2 000 mg/kg bw.; pure CAS 68131-39-5: LD50 - rat (male/female) - > 2 000 mg/kg bw.; pure CAS 77-92-9: LD50 - rat (male/female) - > 2 000 mg/kg bw.

### Skin corrosion/irritation

no data available

### Serious eye damage/irritation

no data available

## Respiratory or skin sensitization

no data available

## Germ cell mutagenicity

no data available

## Carcinogenicity

no data available

## Reproductive toxicity

no data available

## STOT-single exposure

pure CAS 107-98-2: The substance and the vapour in high concentrations are irritating to the eyes, skin and respiratory tract. Exposure to very high concentrations could cause depression of the central nervous system.;pure CAS 77-92-9: The substance is irritating to the eyes, skin and respiratory tract.

## STOT-repeated exposure

pure CAS 107-98-2: The substance defats the skin, which may cause dryness or cracking.;pure CAS 77-92-9: The substance may have effects on the teeth. This may result in erosion.

## Aspiration hazard

pure CAS 107-98-2: A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20°C.;pure CAS 77-92-9: Evaporation at 20°C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly when dispersed.

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## 12. Ecological information

### 12.1 Toxicity

- Toxicity to fish: pure CAS 107-98-2: LC50 - *Leuciscus idus* - > 4 600 - < 10 000 mg/L - 96 h.;pure CAS 68131-39-5: LC50 - *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*) - 2.4 mg/L - 96 h.;pure CAS 77-92-9: LC50 - *Leuciscus idus melanotus* - 440 mg/L - 48 h.;pure CAS 2634-33-5: LC50; Species: *Lepomis macrochirus* (Bluegill) length 29 mm; Conditions: freshwater, flow through; Concentration: 540 ug/L for 96 hr (95% confidence interval: 350-820 ug/L) /93.2% purity
- Toxicity to daphnia and other aquatic invertebrates: pure CAS 107-98-2: LC0 - *Daphnia magna* - < 1 412 mg/L - 48 h.;pure CAS 68131-39-5: EC50 - *Daphnia magna* - 0.14 mg/L - 48 h.;pure CAS 77-92-9: LC50 - *Daphnia magna* - 1 535 mg/L - 24 h.;pure CAS 2634-33-5: EC50; Species: *Daphnia magna* (Water Flea) age <24 hr; Conditions: freshwater, flow through; Concentration: 3700 ug/L for 48 hr (95% confidence interval: 2900-4600 ug/L); Effect: intoxication, immobilization /89.8% purity
- Toxicity to algae: pure CAS 107-98-2: EC50 - *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*) - > 1 000 mg/L - 7 d.;pure CAS 68131-39-5: EC50 - *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*) - > 2 mg/L - 72 h.;pure CAS 77-92-9: Toxicity Threshold - *Scenedesmus quadricauda* - 640 mg/L - 8 d.
- Toxicity to microorganisms: pure CAS 107-98-2: IC50 - activated sludge - > 1 000 mg/L - 3 h.;pure CAS 68131-39-5: EC10 - *Pseudomonas putida* - > 10 g/L - 16.9 h.;pure CAS 77-92-9: TT - *Pseudomonas putida* - > 10 000 mg/L - 16 h.

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Other adverse effects

no data available

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## 13. Disposal considerations

### 13.1 Disposal methods

#### Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

#### Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

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## 14. Transport information

### 14.1 UN number

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

**14.3 Transport hazard class(es)**

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

**14.4 Packing group, if applicable**

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

**14.5 Environmental hazards**

ADR/RID: No

IMDG: No

IATA: No

**14.6 Special precautions for user**

no data available

**14.7 Transport in bulk according to IMO instruments**

no data available

**15. Regulatory information****15.1 Safety, health and environmental regulations specific for the product in question**

Chemical name	Common names and synonyms	CAS number	EC number
Water	Water	7732-18-5	231-791-2
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.
<b>Federal Drinking Water Guidelines</b>	no data available		
<b>State Drinking Water Guidelines</b>	no data available		
<b>Clean Water Act Requirements</b>	no data available		
<b>CERCLA Reportable Quantities</b>	no data available		
<b>RCRA Requirements</b>	no data available		
<b>FIFRA Requirements</b>	no data available		
<b>FDA Requirements</b>	no data available		
Chemical name	Common names and synonyms	CAS number	EC number
1-methoxypropan-2-ol	Propylene glycol methyl ether	107-98-2	203-539-1
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Listed.
Chemical name	Common names and synonyms	CAS number	EC number
Alcohols, C12-15, ethoxylated	Fatty alcohol polyoxyethylene ether	68131-39-5	500-195-7
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.
Chemical name	Common names and synonyms	CAS number	EC number
D-Glucopyranose, oligomers, decyl octyl glycosides	Alkyl glycoside	68515-73-1	500-220-1
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.
Chemical name	Common names and synonyms	CAS number	EC number
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	GLDA	51981-21-6	257-573-7
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.
Chemical name	Common names and synonyms	CAS number	EC number

POLYDIMETHYLSILOXANE POLYMER	Polyether modified polydimethylsiloxane	68937-54-2	614-822-8
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.
<b>Chemical name</b>	<b>Common names and synonyms</b>	<b>CAS number</b>	<b>EC number</b>
Isotridecanol, ethoxylated	Isocidyl alcohol polyoxyethylene ether	9043-30-5	500-027-2
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.
<b>Chemical name</b>	<b>Common names and synonyms</b>	<b>CAS number</b>	<b>EC number</b>
Citric acid	Citric acid	77-92-9	201-069-1
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.
<b>Chemical name</b>	<b>Common names and synonyms</b>	<b>CAS number</b>	<b>EC number</b>
1,2-benzisothiazol-3(2H)-one	Benzoisothiazolinone	2634-33-5	220-120-9
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Listed.
<b>California Prop. 65 Components</b>			Not Listed.
<b>New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)</b>			Not Listed.
<b>Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)</b>			Not Listed.
<b>Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST</b>			Not Listed.

## 16. Other information

### Information on revision

**Creation Date** Sept. 1, 2023

**Revision Date** Sept. 1, 2023

*Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.*