

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

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

Component	Propylene glycol methyl ether			
CAS No.	107-98-2			
	ppm	mg/m³	ppm	mg/m³
Australia	100	369	150	553
Austria	50	187	50	187
Belgium	100	375	150	568
Canada - Ontario	100		150	
Canada - Québec	100	369	150	553
Denmark	50	185	100	370
European Union	100	375	150	563
Finland	100	370	150 (1)	560 (1)
France	50	188	100	375
Germany (AGS)	100	370	200 (1)	740 (1)
Germany (DFG)	100	370	200	740
Hungary		375		568
Ireland	100	375	150 (1)	568 (1)
Israel	100	369		
Italy	100	375	150	568
Latvia	100	375	150 (1)	568 (1)
New Zealand	100	369	150	553
South Korea	100	360	150	540
Spain	100	375	150	568
Sweden	50	190	150 (1)	568 (1)
Switzerland	100	360	200	720
The Netherlands		375		563
Turkey	100	375	150 (1)	568 (1)
USA - NIOSH	100	360	150 (1)	540 (1)
United Kingdom	100	375	150	560
	Remarks			
European Union	Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)			
Finland	(1) 15 minutes average value			
France	Bold type: Restrictive statutory limit values			
Germany (AGS)	(1) 15 minutes average value			
Germany (DFG)	STV 15 minutes average value			
Ireland	(1) 15 minutes reference period			
Italy	skin			
Latvia	(1) 15 minutes average value			
Spain	skin			
Sweden	(1) 15 minutes average value			
Turkey	(1) 15 minutes average value			
USA - NIOSH	(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/flammable 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.

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

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

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/m³ 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.

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

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.

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
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			Not Listed.
Federal Drinking Water Guidelines	no data available		
State Drinking Water Guidelines	no data available		
Clean Water Act Requirements	no data available		
CERCLA Reportable Quantities	no data available		
RCRA Requirements	no data available		
FIFRA Requirements	no data available		
FDA Requirements	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
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			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
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			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
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			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
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
California Prop. 65 Components			Not Listed.
New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL)			Not Listed.
Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL)			Not Listed.
Pennsylvania Right To Know - HAZARDOUS SUBSTANCE LIST			Not Listed.
Chemical name	Common names and synonyms	CAS number	EC number

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

16. Other information

Information on revision

Creation Date Sept. 1, 2023

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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.