Safety Data Sheet

18 Mix sulfonamides and trimethoprim in water

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Report No.：BWQ0702-2016-MSDS-US
Creation Date：2026/01/14
Revision Date：-
*Prepared according to American OSHA HCS-2024 (29 CFR 1910.1200)

1 Identification

Product identifier

Product Name	18 Mix sulfonamides and trimethoprim in water
Cat No.	BWQ0702-2016
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

Recommended use of the product and restrictions on use

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	Weiyel Inc
Address of the company	Hedian Light Industrial Park, Chengguan Town, Shangcheng County, Xinyang City, Henan Province, China
Post code	465350
Telephone number	010-58103678
Fax number	010-84840368
E-mail address	info@weiyel.com

Emergency phone number

Emergency phone number	010-58103678

2 Hazard(s) identification

Hazard classification according to 29 CFR 1910.1200

Specific target organ toxicity - single exposure	Category 1

Label elements

Hazard pictograms	
Signal word	Danger

Hazard statements

H370	Causes damage to organs

Precautionary statements

- Prevention

P260	Do not breathe gas/mist/vapour/spray.
P264	Wash hands and other parts of the body (if related) thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

- Response

P321	Specific treatment (see information on this label and safety data sheet).

- Storage

P405	Store locked up.

- Disposal

P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

Other hazards

	Not applicable.

Hazard description

- Physical and chemical hazards

	No information available

- Health hazards

Inhaled	Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.
Ingestion	Accidental ingestion of the product may be harmful to the health of the individual.
Skin Contact	Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.
Eye	This product may cause temporary discomfort following direct contact with the eye.

- Environmental hazards

	Please refer to 12th chapter of SDS.

3 Composition/information on ingredients

Substance/mixture

	Mixture

Component	CAS No.	EC No.	Concentration (wt, %)
Sulfacetamide	144-80-9	205-640-6	0.00000001
Sulfadiazine	68-35-9	200-685-8	0.00000001
Sulfathiazole	72-14-0	200-771-5	0.00000001
Sulfapyridine	144-83-2	205-642-7	0.00000001
Sulfamerazine	127-79-7	204-866-2	0.00000001
Sulfamethizole	144-82-1	205-641-1	0.00000001

Sulfadimidine	57-68-1	200-346-4	0.00000001
Sulfametoxydiazine	651-06-9	211-480-8	0.00000001
Trimethoprim	738-70-5	212-006-2	0.00000001
Sulfamonomethoxine	1220-83-3	624-483-8	0.00000001
Sulfamethoxypyridazine	80-35-3	201-272-5	0.00000001
Sulfachlorpyridazine	80-32-0	201-269-9	0.00000001
Sulfamethoxazole	723-46-6	211-963-3	0.00000001
Sulfadimethoxine	122-11-2	204-523-7	0.00000001
Sulfadoxine	2447-57-6	219-504-9	0.00000001
Sulfafurazole	127-69-5	204-858-9	0.00000001
Sulfabenzamide	127-71-9	204-859-4	0.00000001
Sulfaphenazole	526-08-9	208-384-3	0.00000001
Sulfaquinoxaline	59-40-5	200-423-2	0.00000001
Methanol	67-56-1	200-659-6	2.0
Water	7732-18-5	231-791-2	97.99999981

4 First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.

Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

1	Development of hazardous combustion gases or vapor possible in the event of fire.
2	May expansion or decompose explosively when heated or involved in fire.

Special protective equipment and precautions for fire-fighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

1	Use personal protective equipment,do not breathe gas/mist/vapour/spray.
2	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
3	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1	Cut off the source of the leak as much as possible.
2	Keep leaks in a ventilated place.
3	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
4	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
5	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

7 Handling and storage

Precautions for safe handling

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.
4	Keep away from heat/sparks/open flames/ hot surfaces.

Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

Control parameters

◆Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m³	ppm	mg/m³
Methanol	Japan - JSOH(2024–2025)	200	260	-	-
	Permissible exposure standards for workers in the workplace	200	262	250	327.5
	Australia	200	262	250	328
	Canada - Ontario	200	-	250	-
	European Union	200	260	-	-
	New Zealand	200	262	250	328

Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

Personal protection equipment

General requirement	
Eye protection	Must wear appropriate safety goggles.
Hand protection	Must wear appropriate chemical protective gloves.
Respiratory protection	Must wear appropriate personal respiratory protective equipment.
Skin and body protection	Must wear appropriate chemical protective clothing and chemical resistant shoes.

9 Physical and chemical properties and safety characteristics

Physical and chemical properties

Appearance (physical state, color, etc.)	colorless liquid
Odor	No information available
Odor threshold	No information available
pH	7.00 (20°C,Water)
Melting point/freezing point(°C)	0 (Water)
Initial boiling point and boiling range(°C)	100 (Water)
Flash point(Closed cup,°C)	No information available
Evaporation rate	No information available
Flammability	No information available

Upper/lower explosive limits[%(v/v)]	Upper limit : No information available ; Lower limit : No information available
Vapor pressure	2.33kPa (20°C,Water)
Vapor density(Air = 1)	> 1 (Water)
Relative density(Water=1)	1 (3.9°C,Water)
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity	No information available

10 Stability and reactivity

Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	In contact with oxidants causes severe reactions, and may cause a fire or explosion. In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidants, alkali metals, alkaline earth metals and aluminum. Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	LD_{50}(oral)	LD_{50}(dermal)	LC_{50}(inhalation,4h)
Sulfathiazole	4500mg/kg(Mouse)	No information available	No information available
Sulfamethoxazole	6200mg/kg(Rat)	No information available	No information available
Trimethoprim	> 5300mg/kg(Rat)	No information available	No information available
Sulfadimethoxine	3200mg/kg(Mouse)	No information available	No information available
Sulfadoxine	5200mg/kg(Mouse)	No information available	No information available
Sulfacetamide	16500mg/kg(Mouse)	No information available	No information available
Sulfamethoxypyridazine	2739mg/kg(Rat)	No information available	No information available
Sulfametoxydiazine	6000mg/kg(Rat)	No information available	No information available
Sulfadiazine	1500mg/kg(Mouse)	No information available	No information available
Sulfaquinoxaline	1370mg/kg(Rat)	No information available	No information available
Sulfamonomethoxine	> 10000mg/kg(Rat)	No information available	No information available
Sulfamethizole	3500mg/kg(Rat)	No information available	No information available
Sulfadimidine	50000mg/kg(Mouse)	No information available	No information available

Sulfamerazine	25000mg/kg(Mouse)	No information available	No information available
Sulfapyridine	15800mg/kg(Rat)	No information available	No information available
Sulfaphenazole	3016mg/kg(Mouse)	No information available	No information available
Methanol	5628mg/kg(Rat)	15800mg/kg(Rabbit)	83.867mg/L(Rat)
Sulfafurazole	10000mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP	OSHA Carcinogen List
Sulfacetamide	Not Listed	Not Listed	Not Listed
Sulfadiazine	Not Listed	Not Listed	Not Listed
Sulfathiazole	Not Listed	Not Listed	Not Listed
Sulfapyridine	Not Listed	Not Listed	Not Listed
Sulfamerazine	Not Listed	Not Listed	Not Listed
Sulfamethizole	Not Listed	Not Listed	Not Listed
Sulfadimidine	Category 3(Remark 1)	Not Listed	Not Listed
Sulfametoxydiazine	Not Listed	Not Listed	Not Listed
Trimethoprim	Not Listed	Not Listed	Not Listed
Sulfamonomethoxine	Not Listed	Not Listed	Not Listed
Sulfamethoxypyridazine	Not Listed	Not Listed	Not Listed
Sulfachlorpyridazine	Not Listed	Not Listed	Not Listed
Sulfamethoxazole	Category 3	Not Listed	Not Listed
Sulfadimethoxine	Not Listed	Not Listed	Not Listed
Sulfadoxine	Not Listed	Not Listed	Not Listed
Sulfafurazole	Category 3	Not Listed	Not Listed
Sulfabenzamide	Not Listed	Not Listed	Not Listed
Sulfaphenazole	Not Listed	Not Listed	Not Listed
Sulfaquinoxaline	Not Listed	Not Listed	Not Listed
Methanol	Not Listed	Not Listed	Not Listed
Water	Not Listed	Not Listed	Not Listed

Remark 1: Overall evaluation downgraded to Group 3 with supporting evidence from other relevant data

Others

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Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Causes damage to organs(Category 1)

STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met

12 Ecological information

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic plants
Sulfadimidine	LC_{50} :100mg/L (96h)(Fish)	No information available	No information available
Methanol	LC_{50} : 24000mg/L (96h)(Fish)	EC_{50} : 24500mg/L (48h)(Crustaceans)	No information available

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available

Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Sulfadimidine	High	High
Sulfafurazole	High	High
Methanol	Low	Low

Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Sulfadimidine	Low	Log Kow=0.89
Sulfafurazole	Low	Log Kow=1.01
Methanol	Low	BCF=10

Mobility in soil

Component	log Koc	Remark
Sulfadimidine	2.695	
Sulfafurazole	3.412	
Methanol	0.000	

13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

Label and Mark

Transporting Label	Not applicable

IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

IATA-DGR

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to IMO instruments

◆Transport in bulk according to Annex II of MARPOL and the IBC code

Not Available

◆Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Not Available

◆Transport in bulk in accordance with the IGC Code

Not Available

Others

Precautions for transport	Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.

15 Regulatory information

International chemical inventory

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Sulfacetamide	×	√	√	√	×	×	×	×	×	×	×	√	√
Sulfadiazine	×	√	√	√	√	√	√	×	√	×	√	√	√
Sulfathiazole	×	√	√	√	√	√	√	×	√	×	×	√	√
Sulfapyridine	×	√	√	×	√	×	×	×	×	×	×	√	√
Sulfamerazine	×	√	√	√	√	√	√	×	×	×	×	√	√
Sulfamethizole	×	√	√	×	×	×	×	×	√	×	√	√	√
Sulfadimidine	√	√	√	√	√	√	√	×	√	×	√	√	√
Sulfametoxydiazine	×	√	×	×	×	×	√	×	×	×	×	√	√
Trimethoprim	√	√	×	√	√	√	√	√	×	×	√	√	√
Sulfamonomethoxine	×	×	×	×	×	×	√	×	√	×	×	√	√
Sulfamethoxypyridazine	√	√	×	×	√	√	√	×	√	×	×	√	√
Sulfachlorpyridazine	×	√	×	×	×	×	√	×	√	×	√	√	√
Sulfamethoxazole	×	√	√	√	√	√	√	×	×	×	×	√	√

Sulfadimethoxine	√	√	×	×	√	√	√	×	√	×	×	√	√
Sulfadoxine	×	√	×	√	×	√	×	×	×	×	√	√	√
Sulfafurazole	√	√	√	×	√	×	√	×	√	×	×	√	√
Sulfabenzamide	×	√	√	√	×	×	×	×	×	×	×	√	√
Sulfaphenazole	×	√	×	×	×	×	×	×	√	×	×	√	√
Sulfaquinoxaline	×	√	√	×	√	×	×	×	√	×	×	√	√
Methanol	√	√	√	√	√	√	√	√	√	√	√	√	√
Water	√	√	√	√	√	√	√	√	√	√	√	√	√

【A】 China Inventory of Existing Chemical Substances(IECSC)
【B】 European Inventory of Existing Commercial Chemical Substances(EC inventory)
【C】 United States Toxic Substances Control Act Inventory(TSCA)
【D】 Canadian Domestic Substances List(DSL)
【E】 New Zealand Inventory of Chemicals(NZIoC)
【F】 Philippines Inventory of Chemicals and Chemical Substances(PICCS)
【G】 Korea Existing Chemicals Inventory(KECL)
【H】 Australian. Inventory of Industrial Chemical (AIICS)
【I】 Japan Inventory of Existing & New Chemical Substances(ENCS)
【J】 Thailand Existing Chemicals Inventory(TECI)
【K】 Mexico National Inventory of Chemical Substances (INSQ)
【L】 Russia Inventory of Existing Substances (DRAFT)
【M】 Inventory of Existing Chemical Substances in Taiwan, China (TCSI)

List of Chemical Substances under International Conventions

Component	A	B	C
Sulfacetamide	×	×	×
Sulfadiazine	×	×	×
Sulfathiazole	×	×	×
Sulfapyridine	×	×	×
Sulfamerazine	×	×	×
Sulfamethizole	×	×	×
Sulfadimidine	×	×	×
Sulfametoxydiazine	×	×	×
Trimethoprim	×	×	×
Sulfamonomethoxine	×	×	×
Sulfamethoxypyridazine	×	×	×
Sulfachlorpyridazine	×	×	×
Sulfamethoxazole	×	×	×
Sulfadimethoxine	×	×	×
Sulfadoxine	×	×	×
Sulfafurazole	×	×	×
Sulfabenzamide	×	×	×
Sulfaphenazole	×	×	×

Sulfaquinoxaline	×	×	×
Methanol	×	×	×
Water	×	×	×

【A】 The Montreal Protocol on Substances that Deplete the Ozone Layer
【B】 Stockholm Convention on Persistent Organic Pollutants (POPs)
【C】 Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

US chemical inventory

Component	A	B	C	D	E	F	G	H
Sulfacetamide	×	×	×	×	×	×	×	×
Sulfadiazine	×	×	×	×	×	×	×	×
Sulfathiazole	×	×	×	×	×	×	√	×
Sulfapyridine	×	×	×	×	×	×	×	×
Sulfamerazine	×	×	×	×	×	×	×	×
Sulfamethizole	×	×	×	×	×	×	×	×
Sulfadimidine	×	×	×	×	×	×	×	×
Sulfametoxydiazine	×	×	×	×	×	×	×	×
Trimethoprim	×	×	×	×	×	×	√	×
Sulfamonomethoxine	×	×	×	×	×	×	×	×
Sulfamethoxypyridazine	×	×	×	×	×	×	×	×
Sulfachlorpyridazine	×	×	×	×	×	×	×	×
Sulfamethoxazole	×	×	×	×	×	×	√	×
Sulfadimethoxine	×	×	×	×	×	×	×	×
Sulfadoxine	×	×	×	×	×	×	×	×
Sulfafurazole	×	×	×	×	×	×	×	×
Sulfabenzamide	×	×	×	×	×	×	×	×
Sulfaphenazole	×	×	×	×	×	×	×	×
Sulfaquinoxaline	×	×	×	×	×	×	×	×
Methanol	√	×	√	√	√	√	√	√
Water	×	×	×	×	×	×	×	×

[A] US Clean Air Act (CAA)- Section 112, Hazardous Air Pollutants
[B] US SARA 302- Extremely Hazardous Substance List
[C] US CERCLA- Hazardous Substances List
[D] US Massachusetts Right-to-Know Substance List
[E] US New Jersey Right to Know Hazardous Substance List
[F] US Pennsylvania Right to Know Hazardous Substance List
[G] US New York City Right-to-Know Hazardous Substance List
[H] US California Proposition 65 List

Note:
"√" Indicates that the substance included in the regulations.
"×" No data or not included in the regulations.

16 Other information

Information on revision

Creation Date	2026/01/14
Revision Date	-
Reason for revision	-

Reference

[1] IPCS: The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home.
[2] IARC, website: http://www.iarc.fr/.
[3] OECD: The Global Portal to Information on Chemical Substances, website: https://www.echemportal.org/echemportal/.
[4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.
[5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.
[6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.
[7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.
[8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC_{50}	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD_{50}	Lethal Dose 50%	NTP	National Toxicology Program
EC_{50}	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC_X	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P_{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	HCS	Hazard Communication Standard

Disclaimer

This Safety Data Sheet (SDS) was prepared according to OSHA HCS-2024. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.