

SAFETY DATA SHEET

Version 8.5 Revision Date 01/09/2022 Print Date 11/29/2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

1.2

Relevant identified use	es	of the substance or mixture and uses advised against
Brand	:	Sigma
Product Number	:	WG128
Product name	:	Wright-Giemsa Stain, Modified

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company	:	Sigma-Aldrich Inc. 3050 SPRUCE ST ST. LOUIS MO 63103 UNITED STATES
Telephone		+1 314 771-5765
Fax	:	+1 800 325-5052

1.4 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flammable liquids (Category 2), H225 Acute toxicity, Oral (Category 3), H301 Acute toxicity, Inhalation (Category 3), H331 Acute toxicity, Dermal (Category 3), H311 Eye irritation (Category 2A), H319 Skin sensitization (Category 1), H317 Specific target organ toxicity - single exposure (Category 1), Eyes, Central nervous system, H370

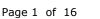
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Sigma - WG128





Hazard statement(s)Highly flammable liquid and vapor.H301 + H311 + H31Toxic if swallowed, in contact with skin or if inhaled.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H370Causes damage to organs (Eyes, Central nervous system).Precautionary statement(s)P233Keep container tightly closed.P240Ground/bond container and receiving equipment.P241Use explosion-proof electrical/ ventilating/ lighting/ equipment.P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.P264Wash skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing must not be allowed out of the workplace.P280Wear protective gloves/ eye protection/ face protection.P301 + P310 + P330IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.P303 + P361 + P353IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water f shower.P304 + P340 + P311IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.P307 + P311IF exposed: Call a POISON CENTER or doctor/ physician.P337 + P313If eye irritation persists: Get medical advice/ attention.P370 + P378In case of fire: Use dry sand, dry chemical or alcohol-resistant	Signal word	Danger
P210Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.P233Keep container tightly closed.P240Ground/bond container and receiving equipment.P241Use explosion-proof electrical/ ventilating/ lighting/ equipment.P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.P264Wash skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing must not be allowed out of the workplace.P280Wear protective gloves/ eye protection/ face protection.P301 + P310 + P330IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.P303 + P361 + P353IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.P304 + P340 + P311IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.P305 + P351 + P338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.P307 + P311IF exposed: Call a POISON CENTER or doctor/ physician.P333 + P313If skin irritation or rash occurs: Get medical advice/ attention.P362Take off contaminated clothing and wash before reuse.P370 + P378In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.P403 + P233Store in a well-ventilated	H225 H301 + H311 + H331 H317 H319	Toxic if swallowed, in contact with skin or if inhaled. May cause an allergic skin reaction. Causes serious eye irritation.
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P405 Store locked up.	P403 + P233	-
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P501 Dispose of contents/ container to an approved waste disposal plant.	P501	

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Component		Classification	Concentration
Methanol			
CAS-No.	67-56-1	Flam. Liq. 2; Acute To:	x. 3; >= 50 - < 70

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EC-No. Index-No. Registration number	200-659-6 603-001-00-X 01-2119433307-44- XXXX	STOT SE 1; H225, H301, H331, H311, H370 Concentration limits: >= 10 %: STOT SE 1, H370; 3 - < 10 %: STOT SE 2, H371;	%	
1,2-propanediol				
CAS-No. EC-No. Registration number	57-55-6 200-338-0 01-2119456809-23- XXXX		>= 20 - < 30 %	
2-[Bis(2-hydroxyethyl)amino]-2-(hydroxymethyl)propane-1,3-diol				
CAS-No. EC-No. Registration number	6976-37-0 230-237-7 01-2120768016-54- XXXX	Eye Dam. 1; H318	>= 1 - < 5 %	
diethylammonium o	chloride			
CAS-No. EC-No. Registration number	660-68-4 211-541-9 01-2120765004-62- XXXX	Acute Tox. 4; Acute Tox. 3; Skin Corr. 1A; Eye Dam. 1; Skin Sens. 1; STOT SE 3; Aquatic Acute 3; H302, H332, H311, H314, H318, H317, H335, H402	>= 0.1 - < 1 %	

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: fresh air. Make victim drink ethanol (e.g. 1 drinking glass of a 40% alcoholic beverage). Call a doctor immediately (mention methanol ingestion). Only in exceptional cases, if no medical care is available within one hour, induce vomiting (only in

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fully conscious persons) and make victim drink ethanol again (approx. 0.3 ml of a 40% alcoholic beverage/kg body weight/hour).

- **4.2 Most important symptoms and effects, both acute and delayed** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- **4.3 Indication of any immediate medical attention and special treatment needed** No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Nitrogen oxides (NOx) Mixture with combustible ingredients. Pay attention to flashback. Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions Do not let product enter drains. Risk of explosion.

- 6.3 Methods and materials for containment and cleaning up Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.
- **6.4 Reference to other sections** For disposal see section 13.

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SECTION 7: Handling and storage

Precautions for safe handling 7.1

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up or in an area accessible only to qualified or authorized persons.

Storage class

Storage class (TRGS 510): 3: Flammable liquids

Specific end use(s) 7.3

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

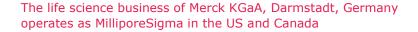
8.1 Control parameters

Ingredients with workplace control parameters

Ingredients with workplace control parameters				
Component	CAS-No.	Value	Control	Basis
			parameters	
Methanol	67-56-1	TWA	200 ppm	USA. ACGIH Threshold Limit
				Values (TLV)
	Remarks	Danger of o	cutaneous absor	ption
		STEL	250 ppm	USA. ACGIH Threshold Limit
				Values (TLV)
		Danger of o	cutaneous absor	ption
		ST	250 ppm	USA. NIOSH Recommended
			325 mg/m3	Exposure Limits
		Potential fo	r dermal absorp	tion
		TWA	200 ppm	USA. NIOSH Recommended
			260 mg/m3	Exposure Limits
		Potential for dermal absorption		

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		TWA	200 ppm 260 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		PEL	200 ppm 260 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		Skin		
		C	1,000 ppm	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		Skin		
		STEL	250 ppm 325 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		Skin		
		TWA	200 ppm 260 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		Skin notat	ion	
		STEL	250 ppm 325 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		Skin notation		
1,2-propanediol	57-55-6	TWA	10 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)

Biological occupational exposure limits

Component	CAS-No.	Parameters	Value	Biological specimen	Basis
Methanol	67-56-1	Methanol	15 mg/l	Urine	ACGIH - Biological Exposure Indices (BEI)
	Remarks	End of shift (As soon as possible after exposure ceases)			osure ceases)

8.2 Exposure controls

Appropriate engineering controls

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

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Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Material tested:Butoject® (KCL 897 / Aldrich Z677647, Size M)

Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 30 min Material tested:Camatril® (KCL 730 / Aldrich Z677442, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Flame retardant antistatic protective clothing.

Respiratory protection

required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

Do not let product enter drains. Risk of explosion.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: liquid Color: colorless
b)	Odor	No data available
c)	Odor Threshold	No data available
d)	pН	No data available
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	11 °C (52 °F) - closed cup
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or	No data available

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explosive limits

- No data available k) Vapor pressure
- Vapor density No data available 1)
- m) Density No data available Relative density No data available
- No data available n) Water solubility No data available o) Partition coefficient:
- n-octanol/water p) Autoignition No data available temperature
- q) Decomposition No data available temperature
- Viscosity No data available r)
- s) Explosive properties Not classified as explosive.
- Oxidizing properties none t)

9.2 Other safety information No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Vapors may form explosive mixture with air.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

- 10.3 Possibility of hazardous reactions No data available
- 10.4 Conditions to avoid Warming.

10.5 Incompatible materials Acids, Oxidizing agents, Alkali metals, Strong oxidizing agents, Acid chlorides, Acid anhydrides, Reducing agents, Chloroformates

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture

Acute toxicity

Oral: No data available

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Acute toxicity estimate Oral - 148.17 mg/kg (Calculation method)

Inhalation: No data available

Acute toxicity estimate Inhalation - 4 h - 4.59 mg/l - vapor(Calculation method)

Symptoms: Possible symptoms:, mucosal irritations Dermal: No data available

Acute toxicity estimate Dermal - 420.5 mg/kg (Calculation method)

Skin corrosion/irritation No data available

Serious eye damage/eye irritation Mixture causes serious eye irritation.

Respiratory or skin sensitization

Mixture may cause an allergic skin reaction.

Germ cell mutagenicity

No data available

Carcinogenicity

- IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure Mixture causes damage to organs. - Eyes, Central nervous system

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard No data available

11.2 Additional Information

Methyl alcohol may be fatal or cause blindness if swallowed., Cannot be made nonpoisonous., Effects due to ingestion may include:, Nausea, Dizziness, Gastrointestinal disturbance, Weakness, Confusion., Drowsiness, Unconsciousness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Stomach - Irregularities - Based on Human Evidence

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Components

Methanol

Acute toxicity

Acute toxicity estimate Oral - 100.1 mg/kg (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Symptoms: Nausea, Vomiting Acute toxicity estimate Inhalation - 4 h - 3.1 mg/l - vapor (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Symptoms: Irritation symptoms in the respiratory tract. Acute toxicity estimate Dermal - 300.1 mg/kg (Expert judgment) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

Skin corrosion/irritation

Skin - Rabbit Result: No skin irritation Remarks: (ECHA) Drying-out effect resulting in rough and chapped skin.

Serious eye damage/eye irritation

Eyes - Rabbit Result: No eye irritation Remarks: (ECHA)

Respiratory or skin sensitization

Sensitisation test: - Guinea pig Result: negative (OECD Test Guideline 406)

Germ cell mutagenicity

Based on available data the classification criteria are not met. Test Type: Ames test Test system: Salmonella typhimurium Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster lung cells Result: negative Method: OECD Test Guideline 474 Species: Mouse - male and female - Bone marrow Result: negative

Carcinogenicity

Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Causes damage to organs. - Eyes, Central nervous system Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Acute oral toxicity - Nausea, Vomiting

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Acute inhalation toxicity - Irritation symptoms in the respiratory tract.

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard

No data available

1,2-propanediol

Acute toxicity

LD50 Oral - Rat - male and female - 22,000 mg/kg Remarks: (ECHA) Inhalation: No data available LD50 Dermal - Rabbit - > 2,000 mg/kg Remarks: (ECHA) No data available

Skin corrosion/irritation

Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization

Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406)

Germ cell mutagenicity

Test Type: Chromosome aberration test in vitro Test system: Human lymphocytes Result: negative Test Type: Ames test Test system: S. typhimurium Result: negative Remarks: (ECHA) Species: Mouse - male - Bone marrow Result: negative Remarks: (ECHA) Species: Rat - male - Bone marrow Result: negative Remarks: (ECHA) Species: Rat - male Result: negative Remarks: (ECHA)

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure No data available

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Specific target organ toxicity - repeated exposure

Aspiration hazard

No data available

2-[Bis(2-hydroxyethyl)amino]-2-(hydroxymethyl)propane-1,3-diol

Acute toxicity

LD50 Oral - Rat - female - > 2,000 mg/kg (OECD Test Guideline 423) Inhalation: No data available Dermal: No data available

Skin corrosion/irritation

Skin - reconstructed human epidermis (RhE) Result: No irritation - 15 min (OECD Test Guideline 439)

Serious eye damage/eye irritation

Eyes - In vitro study Result: Causes serious eye damage. - 6 h (OECD Test Guideline 492)

Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse Result: negative (OECD Test Guideline 429)

Germ cell mutagenicity

Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Result: negative Test Type: Mutagenicity (mammal cell test): micronucleus. Test system: Human lymphocytes Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster fibroblasts Result: Positive results were obtained in some in vitro tests.

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure

Aspiration hazard

No data available

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diethylammonium chloride

Acute toxicity

LD50 Oral - Rat - male - 540 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - female - 4 h - 17.3 mg/l - vapor (OECD Test Guideline 403) LD50 Dermal - Rabbit - male - 582 mg/kg No data available

Skin corrosion/irritation

Skin - Rabbit Result: Corrosive Remarks: (ECHA)

Serious eye damage/eye irritation

Eyes - Rabbit Result: Causes serious eye damage. (OECD Test Guideline 405) Causes serious eye damage.

Respiratory or skin sensitization

Guinea pig
Result: positive
(OECD Test Guideline 406)
Remarks: May cause an allergic skin reaction.

Germ cell mutagenicity

Test Type: In vitro mammalian cell gene mutation test Test system: Mouse lymphoma test Result: negative Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Result: negative The value is given in analogy to the following substances: diethylamine Method: OECD Test Guideline 474 Species: Mouse - male and female Result: negative

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure Inhalation - May cause respiratory irritation. - Respiratory Tract

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard

No data available

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SECTION 12: Ecological information

12.1 Toxicity

Mixture No data available

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 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- **12.6 Endocrine disrupting properties** No data available

12.7 Other adverse effects

No data available

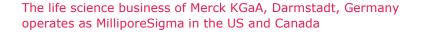
Components

Methanol

meu	Ianoi	
	Toxicity to fish	flow-through test LC50 - Lepomis macrochirus (Bluegill) - 15,400.0 mg/l - 96 h (US-EPA)
	Toxicity to daphnia and other aquatic invertebrates	semi-static test EC50 - Daphnia magna (Water flea) - 18,260 mg/l - 96 h (OECD Test Guideline 202)
	Toxicity to algae	static test ErC50 - Pseudokirchneriella subcapitata (green algae) - ca. 22,000.0 mg/l - 96 h (OECD Test Guideline 201)
	Toxicity to bacteria	static test IC50 - activated sludge - > 1,000 mg/l - 3 h (OECD Test Guideline 209)
1.2-	propanediol	
-,-	Toxicity to fish	static test LC50 - Oncorhynchus mykiss (rainbow trout) - 40,613 mg/l - 96 h Remarks: (ECHA)
	Toxicity to daphnia and other aquatic invertebrates	static test LC50 - Ceriodaphnia dubia (water flea) - 18,340 mg/l - 48 h (US-EPA)
	Toxicity to algae	static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 19,000 mg/l - 96 h (OECD Test Guideline 201)
	Toxicity to bacteria	NOEC - Pseudomonas putida - > 20,000 mg/l - 18 h Remarks: (ECHA)

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2-[B	is(2-hydroxyethyl)an Toxicity to fish	mino]-2-(hydroxymethyl)propane-1,3-diol static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h (OECD Test Guideline 203)
	Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)
	Toxicity to algae	static test ErC50 - Pseudokirchneriella subcapitata (green algae) - > 100 mg/l - 72 h (OECD Test Guideline 201)
	Toxicity to bacteria	static test EC10 - activated sludge - > 1,000 mg/l - 3 h (OECD Test Guideline 209)
dietl	hylammonium chlorid	de
	Toxicity to fish	semi-static test LC50 - Oryzias latipes - > 100 mg/l - 96 h (OECD Test Guideline 203)
	Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - 58.4 mg/l - 48 h (OECD Test Guideline 202)
	Toxicity to algae	static test EC50 - Pseudokirchneriella subcapitata - 48.3 mg/l - 72 h (OECD Test Guideline 201)
		static test NOEC - Pseudokirchneriella subcapitata - 15.4 mg/l - 72 h (OECD Test Guideline 201)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

SECTION 14: Transport information

DOT (US)

UN number: 1230 Class: 3 Packing group: II Proper shipping name: MethanolSOLUTION

Reportable Quantity (RQ): Poison Inhalation Hazard: No

IMDG

UN number: 1230 Class: 3 (6.1)

Packing group: II

EMS-No: F-E, S-D

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SECTION 15: Regulatory information

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
Methanol	67-56-1	2007-07-01

SARA 311/312 Hazards

Fire Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

SECTION 16: Other information

Further information

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. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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