



QuanTtest® Red Pyrogallol Red Total Protein Reagent

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision Date: 25/03/2021 Date of Issue: 16/04/2020

Version: 3.0

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

1.1. Product identifier

Product Form : Mixture
Product Name : QuanTtest® Red Pyrogallol Red Total Protein Reagent
Product Code : 5210-12

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory Reagent. For professional use only.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company

Quantimetrix Corp.
2005 Manhattan Beach Blvd.
Redondo Beach, CA 90278
310-536-0006

www.quantimetrix.com

regulatoryaffairs@quantimetrix.com

1.4. Emergency telephone number

Emergency number : ChemTel LLC
(800)255-3924 (North America)
+1 (813)248-0585 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification According to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

Labelling According to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : Not applicable
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P273 - Avoid release to the environment.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

Other hazards which do not result in classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	97,6	Not classified
Methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	1,2	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

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Name	Product identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Butanedioic acid	(CAS-No.) 110-15-6 (EC-No.) 203-740-4	0,48	Eye Dam. 1, H318
Ethoxylated lauryl alcohol	(CAS-No.) 9002-92-0 (EC-No.) 500-002-6	0,333	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrochloric acid	(CAS-No.) 7647-01-0 (EC-No.) 231-595-7 (EC Index-No.) 017-002-00-2	0,3	Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium benzoate	(CAS-No.) 532-32-1 (EC-No.) 208-534-8	0,04	Eye Irrit. 2, H319
Ethanedioic acid, disodium salt	(CAS-No.) 62-76-0 (EC-No.) 200-550-3	0,025	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
Spiro[3H-2,1-benzoxathiole-3,9'-[9H]xanthene]-3',4',5',6'-tetrol, 1,1-dioxide	(CAS-No.) 32638-88-3 (EC-No.) 251-134-3	0,02	Not classified
Disodium molybdate dihydrate	(CAS-No.) 10102-40-6 (EC-No.) 600-158-6	0,006	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	(3 ≤ C < 10) STOT SE 2, H371 (10 ≤ C < 100) STOT SE 1, H370

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.
- First-aid measures after eye contact : Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/effects after inhalation : Prolonged exposure may cause irritation.
- Symptoms/effects after skin contact : Prolonged exposure may cause skin irritation.
- Symptoms/effects after eye contact : May cause slight irritation to eyes.
- Symptoms/effects after ingestion : Ingestion may cause adverse effects. This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.
- Chronic symptoms : None known.

4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.
Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not considered flammable but may burn at high temperatures.
Explosion hazard : Product is not explosive.
Reactivity : Hazardous reactions will not occur under normal conditions.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Sodium oxides. Acrid smoke and irritating fumes.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.
Firefighting instructions : Use water spray or fog for cooling exposed containers.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protective equipment (PPE).
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible materials : Strong acids, strong bases, strong oxidizers, water-reactive materials.

7.3. Specific end use(s)

Laboratory Reagent. For professional use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Methanol (67-56-1)

EU	IOEL TWA	260 mg/m ³
EU	IOEL TWA [ppm]	200 ppm

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Methanol (67-56-1)		
EU	Notes	Possibility of significant uptake through the skin
Austria	MAK (OEL TWA)	260 mg/m ³
Austria	MAK (OEL TWA) [ppm]	200 ppm
Austria	MAK (OEL STEL)	1040 mg/m ³
Austria	MAK (OEL STEL) [ppm]	800 ppm
Austria	Chemical category	Skin notation
Belgium	OEL TWA	266 mg/m ³
Belgium	OEL TWA [ppm]	200 ppm
Belgium	OEL STEL	333 mg/m ³
Belgium	OEL STEL [ppm]	250 ppm
Belgium	Chemical category	Skin, Skin notation
Bulgaria	OEL TWA	260 mg/m ³
Bulgaria	OEL TWA [ppm]	200 ppm
Croatia	GVI (OEL TWA) [1]	260 mg/m ³
Croatia	GVI (OEL TWA) [2]	200 ppm
Croatia	Chemical category	Skin notation
Croatia	BLV	7 mg/g creatinine Parameter: Methanol - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)
Cyprus	OEL TWA	260 mg/m ³
Cyprus	OEL TWA [ppm]	200 ppm
Cyprus	Chemical category	Skin-potential for cutaneous absorption
France	VLE (OEL C/STEL)	1300 mg/m ³
France	VLE (OEL C/STEL) [ppm]	1000 ppm
France	VME (OEL TWA)	260 mg/m ³ (restrictive limit)
France	VME (OEL TWA) [ppm]	200 ppm (restrictive limit)
France	Chemical category	Risk of cutaneous absorption
France	BLV	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (Background noise on non-exposed subjects)
Germany	AGW (OEL TWA) [1]	130 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	AGW (OEL TWA) [2]	100 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	BLV	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: for long-term exposures: at the end of the shift after several shifts
Germany	Chemical category	Skin notation
Gibraltar	OEL TWA	260 mg/m ³
Gibraltar	OEL TWA [ppm]	200 ppm
Gibraltar	Chemical category	Skin notation
Greece	OEL TWA	260 mg/m ³
Greece	OEL TWA [ppm]	200 ppm
Greece	OEL STEL	325 mg/m ³

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Methanol (67-56-1)		
Greece	OEL STEL [ppm]	250 ppm
Greece	Chemical category	skin - potential for cutaneous absorption
USA ACGIH	ACGIH OEL TWA [ppm]	200 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	250 ppm
Italy	OEL TWA	260 mg/m ³
Italy	OEL TWA [ppm]	200 ppm
Italy	Chemical category	skin - potential for cutaneous absorption
Latvia	OEL TWA	260 mg/m ³
Latvia	OEL TWA [ppm]	200 ppm
Latvia	Chemical category	skin - potential for cutaneous exposure
Spain	VLA-ED (OEL TWA) [1]	266 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	200 ppm (indicative limit value)
Spain	Chemical category	skin - potential for cutaneous absorption
Spain	BLV	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift
Switzerland	KZGW (OEL STEL)	1040 mg/m ³
Switzerland	KZGW (OEL STEL) [ppm]	800 ppm
Switzerland	MAK (OEL TWA) [1]	260 mg/m ³
Switzerland	MAK (OEL TWA) [2]	200 ppm
Switzerland	Chemical category	Skin notation
Switzerland	BAT	30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)
Netherlands	MAC-TGG (OEL TWA)	133 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [1]	266 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	200 ppm
United Kingdom	WEL STEL (OEL STEL)	333 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	250 ppm
United Kingdom	WEL chemical category	Potential for cutaneous absorption
Czech Republic	PEL (OEL TWA)	250 mg/m ³
Czech Republic	Chemical category	Potential for cutaneous absorption
Czech Republic	BLV	Parameter: Methanol - Medium: urine - Sampling time: end of shift 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift
Denmark	OEL TWA [1]	260 mg/m ³
Denmark	OEL TWA [2]	200 ppm
Estonia	OEL TWA	250 mg/m ³
Estonia	OEL TWA [ppm]	200 ppm
Estonia	OEL STEL	350 mg/m ³
Estonia	OEL STEL [ppm]	250 ppm
Estonia	Chemical category	Skin notation
Finland	HTP (OEL TWA) [1]	270 mg/m ³
Finland	HTP (OEL TWA) [2]	200 ppm
Finland	HTP (OEL STEL)	330 mg/m ³
Finland	HTP (OEL STEL) [ppm]	250 ppm
Finland	Chemical category	Potential for cutaneous absorption
Hungary	AK (OEL TWA)	260 mg/m ³

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Methanol (67-56-1)		
Hungary	Chemical category	Potential for cutaneous absorption
Ireland	OEL TWA [1]	260 mg/m ³
Ireland	OEL TWA [2]	200 ppm
Ireland	OEL STEL	780 mg/m ³ (calculated)
Ireland	OEL STEL [ppm]	600 ppm (calculated)
Ireland	Chemical category	Potential for cutaneous absorption
Lithuania	IPRV (OEL TWA)	260 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	200 ppm
Lithuania	Chemical category	Skin notation
Luxembourg	OEL TWA	260 mg/m ³
Luxembourg	OEL TWA [ppm]	200 ppm
Luxembourg	Chemical category	Possibility of significant uptake through the skin
Malta	OEL TWA	260 mg/m ³
Malta	OEL TWA [ppm]	200 ppm
Malta	Chemical category	Possibility of significant uptake through the skin
Norway	Grenseverdi (OEL TWA) [1]	130 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	100 ppm
Norway	Korttidsverdi (OEL STEL)	162,5 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	150 ppm (value calculated)
Norway	Chemical category	Skin notation
Poland	NDS (OEL TWA)	100 mg/m ³
Poland	NDSCh (OEL STEL)	300 mg/m ³
Romania	OEL TWA	260 mg/m ³
Romania	OEL TWA [ppm]	200 ppm
Romania	Chemical category	Skin notation
Romania	BLV	6 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift
Slovakia	NPHV (OEL TWA) [1]	260 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	200 ppm
Slovakia	Chemical category	Potential for cutaneous absorption
Slovakia	BLV	30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of exposure or work shift 30 mg/l Parameter: Methanol - Medium: urine - Sampling time: after all work shifts (for long-term exposure)
Slovenia	OEL TWA	260 mg/m ³
Slovenia	OEL TWA [ppm]	200 ppm
Slovenia	OEL STEL	1040 mg/m ³
Slovenia	OEL STEL [ppm]	800 ppm
Slovenia	Chemical category	Potential for cutaneous absorption
Sweden	NGV (OEL TWA)	250 mg/m ³
Sweden	NGV (OEL TWA) [ppm]	200 ppm
Sweden	KTV (OEL STEL)	350 mg/m ³
Sweden	KTV (OEL STEL) [ppm]	250 ppm
Sweden	Chemical category	Skin notation
Portugal	OEL TWA	260 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	200 ppm (indicative limit value)
Portugal	OEL STEL [ppm]	250 ppm

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Methanol (67-56-1)		
Portugal	Chemical category	skin - potential for cutaneous exposure indicative limit value
Butanedioic acid (110-15-6)		
Germany	AGW (OEL TWA) [1]	2 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Switzerland	KZGW (OEL STEL)	5 mg/m ³ (inhalable dust)
Switzerland	MAK (OEL TWA) [1]	2 mg/m ³ (inhalable dust)
Slovenia	OEL TWA	2 mg/m ³ (inhalable fraction)
Slovenia	OEL STEL	4 mg/m ³ (inhalable fraction)
Disodium molybdate dihydrate (10102-40-6)		
Finland	HTP (OEL TWA) [1]	0,5 mg/m ³
Sodium benzoate (532-32-1)		
Germany	AGW (OEL TWA) [1]	10 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Germany	Chemical category	Skin notation
Slovenia	OEL TWA	10 mg/m ³ (inhalable fraction)
Slovenia	OEL STEL	20 mg/m ³ (inhalable fraction)
Slovenia	Chemical category	Potential for cutaneous absorption
Hydrochloric acid (7647-01-0)		
EU	IOEL TWA	8 mg/m ³
EU	IOEL TWA [ppm]	5 ppm
EU	IOEL STEL	15 mg/m ³
EU	IOEL STEL [ppm]	10 ppm
Austria	MAK (OEL TWA)	8 mg/m ³
Austria	MAK (OEL TWA) [ppm]	5 ppm
Austria	MAK (OEL STEL)	15 mg/m ³
Austria	MAK (OEL STEL) [ppm]	10 ppm
Belgium	OEL TWA	8 mg/m ³
Belgium	OEL TWA [ppm]	5 ppm
Belgium	OEL STEL	15 mg/m ³
Belgium	OEL STEL [ppm]	10 ppm
Bulgaria	OEL TWA	8 mg/m ³
Bulgaria	OEL TWA [ppm]	5 ppm
Bulgaria	OEL STEL	15 mg/m ³
Bulgaria	OEL STEL [ppm]	10 ppm
Croatia	GVI (OEL TWA) [1]	8 mg/m ³
Croatia	GVI (OEL TWA) [2]	5 ppm
Croatia	KGVI (OEL STEL)	15 mg/m ³
Croatia	KGVI (OEL STEL) [ppm]	10 ppm
Cyprus	OEL TWA	8 mg/m ³
Cyprus	OEL TWA [ppm]	5 ppm
Cyprus	OEL STEL	15 mg/m ³
Cyprus	OEL STEL [ppm]	10 ppm
France	VLE (OEL C/STEL)	7,6 mg/m ³ (restrictive limit)
France	VLE (OEL C/STEL) [ppm]	5 ppm (restrictive limit)

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Hydrochloric acid (7647-01-0)		
Germany	AGW (OEL TWA) [1]	3 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	AGW (OEL TWA) [2]	2 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	OEL TWA	8 mg/m ³
Gibraltar	OEL TWA [ppm]	5 ppm
Gibraltar	OEL STEL	15 mg/m ³
Gibraltar	OEL STEL [ppm]	10 ppm
Greece	OEL TWA	7 mg/m ³
Greece	OEL TWA [ppm]	5 ppm
Greece	OEL STEL	7 mg/m ³
Greece	OEL STEL [ppm]	5 ppm
USA ACGIH	ACGIH OEL C [ppm]	2 ppm
Italy	OEL TWA	8 mg/m ³
Italy	OEL TWA [ppm]	5 ppm
Italy	OEL STEL	15 mg/m ³
Italy	OEL STEL [ppm]	10 ppm
Latvia	OEL TWA	8 mg/m ³
Latvia	OEL TWA [ppm]	5 ppm
Spain	VLA-ED (OEL TWA) [1]	7,6 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	5 ppm (indicative limit value)
Spain	VLA-EC (OEL STEL)	15 mg/m ³
Spain	VLA-EC (OEL STEL) [ppm]	10 ppm
Switzerland	KZGW (OEL STEL)	6 mg/m ³
Switzerland	KZGW (OEL STEL) [ppm]	4 ppm
Switzerland	MAK (OEL TWA) [1]	3 mg/m ³
Switzerland	MAK (OEL TWA) [2]	2 ppm
Netherlands	MAC-TGG (OEL TWA)	8 mg/m ³
Netherlands	MAC-15 (OEL STEL)	15 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [1]	2 mg/m ³ (aerosol mist and gas)
United Kingdom	WEL TWA (OEL TWA) [2]	1 ppm (aerosol mist and gas)
United Kingdom	WEL STEL (OEL STEL)	8 mg/m ³ (aerosol mist and gas)
United Kingdom	WEL STEL (OEL STEL) [ppm]	5 ppm (aerosol mist and gas)
Czech Republic	PEL (OEL TWA)	8 mg/m ³
Denmark	OEL C	8 mg/m ³
Denmark	OEL C [ppm]	5 ppm
Estonia	OEL TWA	8 mg/m ³
Estonia	OEL TWA [ppm]	5 ppm
Estonia	OEL STEL	15 mg/m ³
Estonia	OEL STEL [ppm]	10 ppm
Finland	HTP (OEL STEL)	7,6 mg/m ³ (anhydrous and in solution)
Finland	HTP (OEL STEL) [ppm]	5 ppm (anhydrous and in solution)
Hungary	AK (OEL TWA)	8 mg/m ³
Hungary	CK (OEL STEL)	16 mg/m ³
Ireland	OEL TWA [1]	8 mg/m ³
Ireland	OEL TWA [2]	5 ppm

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Hydrochloric acid (7647-01-0)		
Ireland	OEL STEL	15 mg/m ³
Ireland	OEL STEL [ppm]	10 ppm
Lithuania	IPRV (OEL TWA)	8 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	5 ppm
Lithuania	TPRV (OEL STEL)	15 mg/m ³
Lithuania	TPRV (OEL STEL) [ppm]	10 ppm
Luxembourg	OEL TWA	8 mg/m ³
Luxembourg	OEL TWA [ppm]	5 ppm
Luxembourg	OEL STEL	15 mg/m ³
Luxembourg	OEL STEL [ppm]	10 ppm
Malta	OEL TWA	8 mg/m ³
Malta	OEL TWA [ppm]	5 ppm
Malta	OEL STEL	15 mg/m ³
Malta	OEL STEL [ppm]	10 ppm
Norway	Takverdi (OEL C) [1]	7 mg/m ³
Norway	Takverdi (OEL C) [2]	5 ppm
Poland	NDS (OEL TWA)	5 mg/m ³
Poland	NDSch (OEL STEL)	10 mg/m ³
Romania	OEL TWA	8 mg/m ³
Romania	OEL TWA [ppm]	5 ppm
Romania	OEL STEL	15 mg/m ³
Romania	OEL STEL [ppm]	10 ppm
Slovakia	NPHV (OEL TWA) [1]	8 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	5 ppm
Slovakia	NPHV (OEL C)	15 mg/m ³
Slovenia	OEL TWA	8 mg/m ³ (anhydrous)
Slovenia	OEL TWA [ppm]	5 ppm (anhydrous)
Slovenia	OEL STEL	15 mg/m ³ (anhydrous)
Slovenia	OEL STEL [ppm]	10 ppm (anhydrous)
Sweden	NGV (OEL TWA)	3 mg/m ³
Sweden	NGV (OEL TWA) [ppm]	2 ppm
Sweden	KTV (OEL STEL)	6 mg/m ³
Sweden	KTV (OEL STEL) [ppm]	4 ppm
Portugal	OEL TWA	8 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	5 ppm (indicative limit value)
Portugal	OEL STEL	15 mg/m ³ (indicative limit value)
Portugal	OEL STEL [ppm]	10 ppm (indicative limit value)
Portugal	OEL C [ppm]	2 ppm
Portugal	Chemical category	A4 - Not Classifiable as a Human Carcinogen

8.2. Exposure controls

Appropriate engineering controls

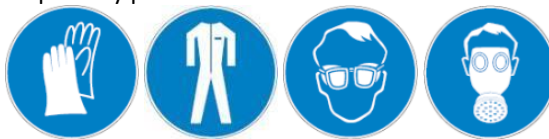
: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

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Personal protective equipment : Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for protective clothing : Chemically resistant materials and fabrics.
Hand protection : Wear protective gloves.
Eye and Face Protection : Chemical safety goggles.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Brownish-red
Colour : No data available
Odour : Odorless
Odour threshold : No data available
pH : 1,5
Evaporation rate : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Solubility : No data available
Partition coefficient: n-octanol/water : No data available
Viscosity : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers, water-reactive materials.

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10.6. Hazardous decomposition products

None expected under normal conditions of use. Thermal decomposition may produce: Carbon oxides (CO, CO₂). Sodium oxides. Toxic fumes. Acrid smoke and irritating fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Methanol (67-56-1)	
LD50 oral	1400 mg/kg
LD50 dermal rabbit	15840 mg/kg
LC50 Inhalation - Rat [ppm]	22500 ppm (Exposure time: 8 h)
ATE CLP (oral)	100,00 mg/kg bodyweight
ATE CLP (dermal)	300,00 mg/kg bodyweight
ATE CLP (gases)	700,00 ppmv/4h
ATE CLP (vapours)	3,00 mg/l/4h
ATE CLP (dust,mist)	0,50 mg/l/4h
Ethoxylated lauryl alcohol (9002-92-0)	
LD50 oral rat	1 g/kg
LD50 dermal rat	> 2000 mg/kg
Butanedioic acid (110-15-6)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 1,284 mg/l/4h (Read across: Fumaric Acid, no deaths at maximum technically feasible concentration)
Ethanedioic acid, disodium salt (62-76-0)	
LD50 oral rat	11160 mg/kg
ATE CLP (oral)	500,00 mg/kg bodyweight
ATE CLP (dermal)	1.100,00 mg/kg bodyweight
Sodium benzoate (532-32-1)	
LD50 oral rat	4070 mg/kg
Hydrochloric acid (7647-01-0)	
LD50 oral rat	238 (238 – 277) mg/kg
LD50 dermal rabbit	> 5010 mg/kg
LC50 Inhalation - Rat	1,68 mg/l (Exposure time: 1 h)
LC50 Inhalation - Rat [ppm]	1411 ppm
LC50 Inhalation - Rat (Dust/Mist)	0,42 mg/l/4h
ATE CLP (gases)	700,00 ppmv/4h

Skin corrosion/irritation	: Not classified. (Based on available data, the classification criteria are not met) pH: 1,5
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 1,5
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

Hydrochloric acid (7647-01-0)	
IARC group	3

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Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Symptoms/Injuries After Inhalation	: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion	: Ingestion may cause adverse effects. This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.
Chronic Symptoms	: None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Methanol (67-56-1)	
LC50 - Fish [1]	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	1340 mg/l
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Butanedioic acid (110-15-6)	
LC50 - Fish [1]	> 100 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

Disodium molybdate dihydrate (10102-40-6)	
LC50 - Fish [1]	609,1 mg/l (Exposure time: 96 h - Species: Pimephales promelas [Semi-static])
EC50 - Crustacea [1]	1680,4 (1680,4 – 1776,6) mg/l (Exposure time: 48 h - Species: Daphnia magna [Semi-static])
ErC50 algae	331,1 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [Static])

Sodium benzoate (532-32-1)	
LC50 - Fish [1]	420 (420 – 558) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	650 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Hydrochloric acid (7647-01-0)	
EC50 - Crustacea [1]	0,492 mg/l

12.2. Persistence and degradability

QuanTtest® Red Pyrogallol Red Total Protein Reagent	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

QuanTtest® Red Pyrogallol Red Total Protein Reagent	
Bioaccumulative potential	Not established.

Methanol (67-56-1)	
BCF - Fish [1]	< 10
Partition coefficient n-octanol/water (Log Pow)	-0,77

Sodium benzoate (532-32-1)	
BCF - Fish [1]	(no bioaccumulation)

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Sodium benzoate (532-32-1)	
Partition coefficient n-octanol/water (Log Pow)	-2,13

12.4. Mobility in soil

QuanTtest® Red Pyrogallol Red Total Protein Reagent	
Ecology - soil	Not established.

12.5. Results of PBT and vPvB assessment

QuanTtest® Red Pyrogallol Red Total Protein Reagent	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal : Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Methanol
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3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Methanol ; Ethoxylated lauryl alcohol
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	QuanTtest® Red Pyrogallol Red Total Protein Reagent ; Ethoxylated lauryl alcohol
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Methanol
69. Methanol	Methanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Methanol (67-56-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Spiro[3H-2,1-benzoxathiole-3,9'-[9H]xanthene]-3',4',5',6'-tetrol, 1,1-dioxide (32638-88-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Butanedioic acid (110-15-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Ethanedioic acid, disodium salt (62-76-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sodium benzoate (532-32-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Water (7732-18-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Hydrochloric acid (7647-01-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Date of Preparation or Latest Revision : 25/03/2021

Data sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other information : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full Text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1

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Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Indication of Changes No additional information available

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists
ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road
ATE - Acute Toxicity Estimate
BCF - Bioconcentration Factor
BEI - Biological Exposure Indices (BEI)
BOD – Biochemical Oxygen Demand
CAS No. - Chemical Abstracts Service Number
CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008
COD – Chemical Oxygen Demand
EC – European Community
EC50 - Median Effective Concentration
EEC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances
EmS-No. (Fire) - IMDG Emergency Schedule Fire
EmS-No. (Spillage) - IMDG Emergency Schedule Spillage
EU – European Union
ErC50 - EC50 in Terms of Reduction Growth Rate
GHS – Globally Harmonized System of Classification and Labeling of Chemicals
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC Code - International Bulk Chemical Code
IMDG - International Maritime Dangerous Goods
IPRV - Ilgalaikio Poveikio Ribinis Dydis
IOELV – Indicative Occupational Exposure Limit Value
LC50 - Median Lethal Concentration
LD50 - Median Lethal Dose

NDS - Najwyższe Dopuszczalne Stezenie
NDSCh - Najwyższe Dopuszczalne Stezenie Chwilowe
NDSP - Najwyższe Dopuszczalne Stezenie Pulapowe
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
NRD - Nevirsytinas Ribinis Dydis
NTP – National Toxicology Program
OEL - Occupational Exposure Limits
PBT - Persistent, Bioaccumulative and Toxic
PEL - Permissible Exposure Limit
pH – Potential Hydrogen
REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals
RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail
SADT - Self Accelerating Decomposition Temperature
SDS - Safety Data Sheet
STEL - Short Term Exposure Limit
STOT - Specific Target Organ Toxicity
TA-Luft - Technische Anleitung zur Reinhaltung der Luft
TEL TRK – Technical Guidance Concentrations
ThOD – Theoretical Oxygen Demand
TLM - Median Tolerance Limit
TLV - Threshold Limit Value
TPRD - Trumpalaikio Poveikio Ribinis Dydis
TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern
TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine
TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte
TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte

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LOAEL - Lowest Observed Adverse Effect Level

LOEC - Lowest-Observed-Effect Concentration

Log Koc - Soil Organic Carbon-water Partitioning Coefficient

Log Kow - Octanol/water Partition Coefficient

Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water

MAK – Maximum Workplace Concentration/Maximum Permissible Concentration

MARPOL - International Convention for the Prevention of Pollution

EU GHS SDS

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

VOC – Volatile Organic Compounds

VLA-EC - Valor Límite Ambiental Exposición de Corta Duración

VLA-ED - Valor Límite Ambiental Exposición Diaria

VLE – Valeur Limite D'exposition

VME – Valeur Limite De Moyenne Exposition

vPvB - Very Persistent and Very Bioaccumulative

WEL – Workplace Exposure Limit

WGK - Wassergefährdungsklasse

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.