CHROMASCOPICS® Urinalysis Control with Microscopics, Level 2

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Date of Issue: 14/12/2022 Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Form : Mixture

Product Name : CHROMASCOPICS® Urinalysis Control with Microscopics, Level 2

Product Code : 1540-01

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 Quality Control material

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
Phone: 1-310-536-0006
ksnylyk@4qc.com
https://quantimetrix.com/

1.4. Emergency Telephone Number

Emergency Number : VelocityEHS
(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

Not classified

2.2. Label Elements

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

EUH-statements : EUH208 - Contains 3(2H)-Isothiazolone, 5-chloro-2-methyl-(26172-55-4), 3(2H)-Isothiazolone, 2-methyl-(2682-20-4). May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII

The substance/mixture does not contain substance(s) equal to or greater than 0.1% by weight that are present in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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
Glycine, N-(aminoiminomethyl)-N-methyl-, monohydrate	(CAS-No.) 6020-87-7 (EC-No.) 200-306-6;611-954-8	0,5 - 1,0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Lithium hydroxide	(CAS-No.) 1310-65-2 (EC-No.) 215-183-4	0,1 - 0,25	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318
Butanoic acid, 3-oxo-, methyl ester	(CAS-No.) 105-45-3	0,1 - 0,25	Eye Irrit. 2, H319

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008
2,4-Pentanedione	(EC-No.) 203-299-8 (EC Index-No.) 607-137-00-0 (CAS-No.) 123-54-6 (EC-No.) 204-634-0 (EC Index-No.) 606-029-00-0	0,1 - 0,25	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Aquatic Chronic 2, H411
Methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	0,1 - 0,25	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
3(2H)-Isothiazolone, 5-chloro-2-methyl-	(CAS-No.) 26172-55-4 (EC-No.) 247-500-7	0,0002 – 0,002	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3(2H)-Isothiazolone, 2-methyl-	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6 (EC Index-No.) 613-326-00-9	0,0002 – 0,002	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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
3(2H)-Isothiazolone, 5-chloro-2-methyl-	(CAS-No.) 26172-55-4 (EC-No.) 247-500-7	(0,0002 ≤C < 0,002) EUH208 (0,002 ≤C < 100) Skin Sens. 1A, H317 (0,06 ≤C < 0,6) Skin Irrit. 2, H315 (0,06 ≤C < 0,6) Eye Irrit. 2, H319 (0,5 ≤C < 100) EUH071 (0,5 ≤C < 100) Skin Corr. 1B, H314 (0,6 ≤C < 1,5) Skin Corr. 1C, H314 (0,6 ≤C < 100) Eye Dam. 1, H318
3(2H)-Isothiazolone, 2-methyl-	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6 (EC Index-No.) 613-326-00-9	(0,0002 ≤C < 0,002) EUH208 (0,002 ≤C < 100) Skin Sens. 1A, H317 (0,06 ≤C < 0,6) Skin Irrit. 2, H315 (0,06 ≤C < 0,6) Eye Irrit. 2, H319 (0,5 ≤C < 100) EUH071 (0,6 ≤C < 100) Eye Dam. 1, H318 (0,6 ≤C < 1,5) Skin Corr. 1C, H314 (1,5 ≤C < 100) Skin Corr. 1B, H314

Full text of H- and EUH-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). Treat product as biologically contaminated; follow all institutional protocols concerning the potential release of pathogens.

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. Wash with plenty of soap and water. 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. Contains 3(2H)-Isothiazolone, 5-chloro-2-methyl- and 3(2H)-Isothiazolone, 2-methyl-. May produce an allergic reaction.

Symptoms/Effects After Eye Contact : May cause slight irritation to eyes.

Symptoms/Effects After Ingestion : Ingestion may cause adverse effects.

Chronic Symptoms : None expected under normal conditions of use. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.

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.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media : Water spray, fog, carbon dioxide (CO_2), 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 Combustion Products : Oxides of carbon, nitrogen, sulphur, phosphorous, chlorine and sodium.

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.

Other Information : No additional information available.

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 (vapour, mist, spray). Treat product as biologically contaminated; follow all institutional protocols concerning the potential release of pathogens.

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 : Ventilate area. Upon arrival at the scene, a first responder is expected to recognise 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.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials 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. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Follow all institutional protocols concerning the potential release of pathogens.

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

Additional Hazards When Processed : Treat material as biologically contaminated with pathogenic organisms.

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 vapours, 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 : Store in accordance with applicable national storage class systems. 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 oxidisers.

7.3. Specific End Use(S)

Laboratory Quality Control material

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Please see section 16 for the legal basis of limit value information in section 8.1, including the national legislation or provision which gives rise to a given limit.

3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	0,05 mg/m³
Austria	OEL Chemical Category (Legal Basis:BGBl. II Nr. 254/2018)	Skin sensitizer
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	0,4 mg/m³ (inhalable dust)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	0,2 mg/m³ (inhalable dust)
Switzerland	OEL Chemical Category (Legal Basis:OLVSNAIF)	Sensitizer

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	0,05 mg/m³ (5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1)
Austria	OEL Chemical Category (Legal Basis:BGBl. II Nr. 254/2018)	Skin sensitizer
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	0,4 mg/m³ (inhalable dust)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	0,2 mg/m³ (inhalable dust)
Switzerland	OEL Chemical Category (Legal Basis:OLVSNAIF)	Sensitizer

Lithium hydroxide (1310-65-2)		
Croatia	OEL STEL (Legal Basis:OG No. 91/2018)	1 mg/m³
Ireland	OEL STEL (Legal Basis:2020 COP)	1 mg/m³

Methanol (67-56-1)		
EU	IOELV TWA (Legal Basis:2019/1831 EU in accor. with 98/24/EC)	260 mg/m³
EU	IOELV TWA (Legal Basis:2019/1831 EU in accor. with 98/24/EC)	200 ppm
EU	Remark	Possibility of significant uptake through the skin
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	260 mg/m³
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	200 ppm
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	1040 mg/m³
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	800 ppm
Austria	OEL Chemical Category (Legal Basis:BGBl. II Nr. 254/2018)	Skin notation
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	266 mg/m³
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	200 ppm
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	333 mg/m³
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	250 ppm
Belgium	OEL Chemical Category (Legal Basis:Royal Decree 21/01/2020)	Skin, Skin notation
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	260 mg/m³
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	200 ppm
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	260 mg/m³
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	200 ppm
Croatia	OEL Chemical Category (Legal Basis:OG No. 91/2018)	Skin notation

Methanol (67-56-1)		
Croatia	OEL BLV (Legal Basis:OG No. 91/2018)	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 (Legal Basis:KDP 16/2019)	260 mg/m³
Cyprus	OEL TWA (Legal Basis:KDP 16/2019)	200 ppm
Cyprus	OEL Chemical Category (Legal Basis:KDP 16/2019)	Skin-potential for cutaneous absorption
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	250 mg/m³
Czech Republic	OEL Chemical Category (Legal Basis:Decree No. 107/2013)	Potential for cutaneous absorption
Czech Republic	OEL BLV (Legal Basis:Reg. 41/2020)	Parameter: Methanol - Medium: urine - Sampling time: end of shift 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	260 mg/m³
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	200 ppm
Denmark	OEL Chemical Category (Legal Basis:BEK No. 698 of 28/05/2020)	Potential for cutaneous absorption
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	250 mg/m³
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	200 ppm
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	350 mg/m³
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	250 ppm
Estonia	OEL Chemical Category (Legal Basis:Regulation No. 105)	Skin notation
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	270 mg/m³
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	200 ppm
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	330 mg/m³
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	250 ppm
Finland	OEL Chemical Category HTP-ARVOT 2020)	Potential for cutaneous absorption
France	OEL STEL (Legal Basis:INRS ED 984)	1300 mg/m³
France	OEL STEL (Legal Basis:INRS ED 984)	1000 ppm
France	OEL TWA (Legal Basis:INRS ED 984)	260 mg/m³ (restrictive limit)
France	OEL TWA (Legal Basis:INRS ED 984)	200 ppm (restrictive limit)
France	OEL Chemical Category (Legal Basis:INRS ED 984)	Risk of cutaneous absorption
France	OEL BLV (Legal Basis:Decree 2009-1570)	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (Background noise on non-exposed subjects)
Germany	OEL TWA (Legal Basis:TRGS 900)	130 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	OEL TWA (Legal Basis:TRGS 900)	100 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	OEL BLV (Legal Basis:TRGS 903)	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	OEL Chemical Category (Legal Basis:TRGS 900)	Skin notation
Gibraltar	OEL TWA (Legal Basis:LN. 2018/181)	260 mg/m³
Gibraltar	OEL TWA (Legal Basis:LN. 2018/181)	200 ppm
Gibraltar	OEL Chemical Category (Legal Basis:LN. 2018/181)	Skin notation
Greece	OEL TWA (Legal Basis:PWHSE)	260 mg/m³
Greece	OEL TWA (Legal Basis:PWHSE)	200 ppm
Greece	OEL STEL (Legal Basis:PWHSE)	325 mg/m³
Greece	OEL STEL (Legal Basis:PWHSE)	250 ppm
Greece	OEL Chemical Category (Legal Basis:PWHSE)	skin - potential for cutaneous absorption
Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	260 mg/m³
Hungary	OEL Chemical Category (Legal Basis:Decree No. 05/2020)	Potential for cutaneous absorption
Ireland	OEL TWA (Legal Basis:2020 COP)	260 mg/m³
Ireland	OEL TWA (Legal Basis:2020 COP)	200 ppm
Ireland	OEL STEL (Legal Basis:2020 COP)	780 mg/m³ (calculated)
Ireland	OEL STEL (Legal Basis:2020 COP)	600 ppm (calculated)
Ireland	OEL Chemical Category (Legal Basis:Decree No. 05/2020)	Potential for cutaneous absorption
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	200 ppm
USA ACGIH	OEL STEL (Legal Basis:IMDFN1)	250 ppm

Methanol (67-56-1)		
USA ACGIH	BEI Value (Legal Basis:IMDFN1)	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific)
Italy	OEL TWA (Legal Basis:Decree 81)	260 mg/m³
Italy	OEL TWA (Legal Basis:Decree 81)	200 ppm
Italy	OEL Chemical Category (Legal Basis:Decree 81)	skin - potential for cutaneous absorption
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	260 mg/m³
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	200 ppm
Latvia	OEL Chemical Category (Legal Basis:Reg. No. 325)	skin - potential for cutaneous exposure
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	260 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	200 ppm
Lithuania	OEL Chemical Category (Legal Basis:HN 23:2011)	Skin notation
Luxembourg	OEL TWA (Legal Basis:A-N 684)	260 mg/m³
Luxembourg	OEL TWA (Legal Basis:A-N 684)	200 ppm
Luxembourg	OEL Chemical Category (Legal Basis:A-N 684)	Possibility of significant uptake through the skin
Malta	OEL TWA (Legal Basis:MOHSAA Ch. 424)	260 mg/m³
Malta	OEL TWA (Legal Basis:MOHSAA Ch. 424)	200 ppm
Malta	OEL Chemical Category (Legal Basis:MOHSAA Ch. 424)	Possibility of significant uptake through the skin
Netherlands	OEL TWA (Legal Basis:OWCRLV)	133 mg/m³
Netherlands	OEL Chemical Category (Legal Basis:OWCRLV)	Skin notation
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	130 mg/m³
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	100 ppm
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	162,5 mg/m³ (value calculated)
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	150 ppm (value calculated)
Norway	OEL Chemical Category (Legal Basis:FOR-2020-04-06-695)	Skin notation
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	100 mg/m³
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	300 mg/m³
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	260 mg/m³ (indicative limit value)
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	200 ppm (indicative limit value)
Portugal	OEL STEL (Legal Basis:Portuguese Norm NP 1796:2014)	250 ppm
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	skin - potential for cutaneous exposure indicative limit value
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	260 mg/m³
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	200 ppm
Romania	OEL Chemical Category (Legal Basis:Gov. Dec. No 1.218)	Skin notation
Romania	OEL BLV (Legal Basis:Gov. Dec. No 1.218)	6 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	260 mg/m³
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	200 ppm
Slovakia	OEL Chemical Category (Legal Basis:Gov. Decree 33/2018)	Potential for cutaneous absorption
Slovakia	OEL BLV (Legal Basis:Gov. Decree 33/2018)	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 (Legal Basis:No. 79/19)	260 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	200 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	1040 mg/m³
Slovenia	OEL STEL (Legal Basis:No. 79/19)	800 ppm
Slovenia	OEL Chemical Category (Legal Basis:No. 79/19)	Potential for cutaneous absorption
Spain	OEL TWA (Legal Basis:OELCAIS)	266 mg/m³ (indicative limit value)
Spain	OEL TWA (Legal Basis:OELCAIS)	200 ppm (indicative limit value)
Spain	OEL Chemical Category (Legal Basis:OELCAIS)	skin - potential for cutaneous absorption
Spain	OEL BLV (Legal Basis:OELCAIS)	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	250 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	200 ppm
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	350 mg/m³
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	250 ppm
Sweden	OEL Chemical Category (Legal Basis:AFS 2018:1)	Skin notation

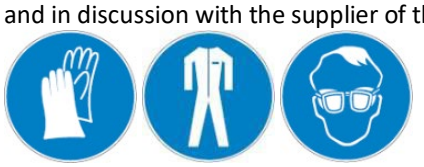
Methanol (67-56-1)		
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	520 mg/m³
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	400 ppm
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	260 mg/m³
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	200 ppm
Switzerland	OEL Chemical Category (Legal Basis:OLVSNAIF)	Skin notation
Switzerland	OEL BLV (Legal Basis:OLVSNAIF)	30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)

2,4-Pentanedione (123-54-6)		
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	102 mg/m³
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	25 ppm
Belgium	OEL Chemical Category (Legal Basis:Royal Decree 21/01/2020)	Skin
Germany	OEL TWA (Legal Basis:TRGS 900)	126 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	OEL TWA (Legal Basis:TRGS 900)	30 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	OEL Chemical Category (Legal Basis:TRGS 900)	Skin notation
Ireland	OEL TWA (Legal Basis:2020 COP)	25 ppm
Ireland	OEL STEL (Legal Basis:2020 COP)	75 ppm (calculated)
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	25 ppm
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	skin - potential for cutaneous exposure
Slovenia	OEL TWA (Legal Basis:No. 79/19)	126 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	30 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	252 mg/m³
Slovenia	OEL STEL (Legal Basis:No. 79/19)	60 ppm
Slovenia	OEL Chemical Category (Legal Basis:No. 79/19)	Potential for cutaneous absorption
Spain	OEL TWA (Legal Basis:OELCAIS)	83 mg/m³
Spain	OEL TWA (Legal Basis:OELCAIS)	20 ppm
Spain	OEL STEL (Legal Basis:OELCAIS)	166 mg/m³
Spain	OEL STEL (Legal Basis:OELCAIS)	40 ppm
Spain	OEL Chemical Category (Legal Basis:OELCAIS)	skin - potential for cutaneous absorption
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	166 mg/m³
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	40 ppm
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	83 mg/m³
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	20 ppm
Switzerland	OEL Chemical Category (Legal Basis:OLVSNAIF)	Skin notation

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.

Personal Protective Equipment : Gloves. Protective clothing. Protective goggles. Personal protective equipment should be chosen in accordance with Regulation (EU) 2016/425, CEN standards, and in discussion with the supplier of the protective equipment.



Materials for Protective Clothing : Chemically resistant materials and fabrics.

Hand Protection : Chemical resistant gloves (according to European standard EN 374 or equivalent). Neoprene or nitrile rubber gloves; 0.4 mm thickness suggested.

Eye Protection : Chemical safety goggles or safety glasses with side shields.

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
Colour, Appearance	: Yellow to orange liquid.
Colour	: Yellow to orange.
Odour	: Odorless.
Odour Threshold	: No data available
pH	: 7,0-8,5
Evaporation Rate	: No data available
Melting Point	: < 0 °C (Estimated)
Freezing Point	: < 0 °C (Estimated)
Boiling Point	: > 100 °C (Estimated)
Flash Point	: No data available
Auto-Ignition Temperature	: Not available
Decomposition Temperature	: No data available
Flammability	: Not applicable
Vapour Pressure	: No data available
Relative Vapour Density At 20 °C	: No data available
Relative Density	: ≈ 1
Solubility	: Miscible in water.
Partition Coefficient n-Octanol/Water	: No data available
Viscosity	: No data available
Explosive Properties	: No data available
Oxidising Properties	: No data available
Explosive Limits	: Not available
Particle Aspect Ratio	: Not applicable
Particle Aggregation State	: Not applicable
Particle Agglomeration State	: Not applicable
Particle Specific Surface Area	: Not applicable
Particle Dustiness	: Not applicable

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 polymerisation 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 oxidisers.

10.6. Hazardous Decomposition Products

Thermal decomposition may produce: Oxides of carbon, nitrogen, sulphur, phosphorous, chlorine and sodium.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Hazard Classes As Defined In Regulation (Ec) No 1272/2008

Likely Routes of Exposure : Dermal, Eye exposure, Oral, Inhalation

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

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

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

3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)	
LD50 Oral Rat	481 mg/kg
LC50 Inhalation Rat	1,23 mg/l/4h
ATE CLP (oral)	100,00 mg/kg bodyweight
ATE CLP (dermal)	300,00 mg/kg bodyweight

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)	
LD50 Oral Rat	120 mg/kg
LD50 Dermal Rabbit	242 mg/kg
LC50 Inhalation Rat	0,11 mg/l/4h
ATE CLP (dermal)	50,00 mg/kg bodyweight
ATE CLP (vapours)	0,11 mg/l/4h
ATE CLP (dust,mist)	0,11 mg/l/4h

Lithium hydroxide (1310-65-2)	
LD50 Oral Rat	210 mg/kg
LC50 Inhalation Rat	960 mg/m³ (Exposure time: 4 h)
LC50 Inhalation Rat	0,96 mg/l/4h
ATE CLP (vapours)	960,00 mg/l/4h

Methanol (67-56-1)	
LD50 Oral	1400 mg/kg
LD50 Dermal Rabbit	15840 mg/kg
LC50 Inhalation Rat	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

2,4-Pentanedione (123-54-6)	
LD50 Oral Rat	760 mg/kg
LD50 Oral	578 mg/kg
LD50 Dermal Rabbit	770 mg/kg
LD50 dermal	790 mg/kg
LC50 Inhalation Rat	1224 ppm/4h
ATE CLP (dermal)	770,00 mg/kg bodyweight

Skin Corrosion/Irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7,0 – 8,5

Eye Damage/Irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7,0 – 8,5

Respiratory or Skin Sensitisation : Not classified (Based on available data, the classification criteria are not met)
Contains 3(2H)-Isothiazolone, 5-chloro-2-methyl- and 3(2H)-Isothiazolone, 2-methyl-. May produce an allergic reaction.

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)

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

Specific Target Organ Toxicity (Single Exposure) : Not classified (Based on available data, the classification criteria are not met)

Specific Target Organ Toxicity (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. Contains 3(2H)-Isothiazolone, 5-chloro-2-methyl- and 3(2H)-Isothiazolone, 2-methyl-. May produce an allergic reaction.

Symptoms/Injuries After Eye Contact : May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion : Ingestion may cause adverse effects.

Chronic Symptoms : None expected under normal conditions of use. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.

11.2. Information On Other Hazards

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to humans as it does not meet the criteria set out in section A of Regulation (EU) No 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

Adverse Health Effects Caused By Endocrine Disrupting Properties : No endocrine-disrupting effects are expected in humans or target animals.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous To The Aquatic Environment, Short-Term (Acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous To The Aquatic Environment, Long-Term (Chronic) : Not classified (Based on available data, the classification criteria are not met)

3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)	
LC50 - Fish [1]	1,6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 - Crustacea [1]	4,71 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	0,12 (0,12 – 0,3) mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])

Butanoic acid, 3-oxo-, methyl ester (105-45-3)	
LC50 - Fish [1]	> 111,4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	400 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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])

2,4-Pentanedione (123-54-6)	
LC50 - Fish [1]	98,3 – 110 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	34,4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	50,3 – 71,8 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
NOEC chronic crustacea	0,25 mg/l

12.2. Persistence and Degradability

CHROMASCOPICS® Urinalysis Control with Microscopics, Level 2	
Persistence and Degradability	Expected to be biodegradable.

12.3. Bioaccumulative Potential

CHROMASCOPICS® Urinalysis Control with Microscopics, Level 2	
Bioaccumulative Potential	Not expected to bioaccumulate.

3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)	
Partition coefficient n-octanol/water (Log Pow)	-0,71 – 0,75 (at 20 °C)

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)	
Partition coefficient n-octanol/water (Log Pow)	-0,26 (at 20 °C (at pH 5)

Butanoic acid, 3-oxo-, methyl ester (105-45-3)	
Partition coefficient n-octanol/water (Log Pow)	-0,4 (at 20 °C)

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

2,4-Pentanedione (123-54-6)	
Partition coefficient n-octanol/water (Log Pow)	0,4 (at 25 °C)

12.4. Mobility in Soil

CHROMASCOPICS® Urinalysis Control with Microscopics, Level 2	
Ecology - Soil	Leaches if exposed to water.

12.5. Results of PBT and vPvB Assessment

Does not contain any PBT/vPvB substances >= 0.1% assessed in accordance with REACH Annex XVIII

12.6. Endocrine Disrupting Properties

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

Adverse Effects On The Environment Caused By Endocrine Disrupting Properties : Endocrine disrupting effects are not expected for the environment.

12.7. Other Adverse Effects

Other Adverse Effects : None known.

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Regional Legislation (Waste) : Disposal must be done according to official regulations.

Waste Treatment Methods : Incineration is the preferred method for disposal of waste product. . Can be landfilled, when in compliance with local regulations.

Sewage Disposal Recommendations : Do not dispose of waste into sewer. Do not empty into drains.

Product/Packaging Disposal Recommendations : Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information : Biologically contaminated materials should be incinerated.

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

14.1. UN Number or ID Number
Not regulated for transport
14.2. UN Proper Shipping Name
Not regulated for transport
14.3. Transport Hazard Class(Es)
Not regulated for transport
14.4. Packing Group
Not regulated for transport
14.5. Environmental Hazards
Not regulated for transport

14.6. Special Precautions For User

No additional information available

14.7. Maritime Transport in Bulk According to IMO instruments

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

15.1.1.1. REACH Annex XVII Information

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

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	Benzyl alcohol ; 3(2H)-Isothiazolone, 5-chloro-2-methyl-; 3(2H)-Isothiazolone, 2-methyl-; lithium hydroxide; 2,4-Pentanedione; Glycine, N-(aminoiminomethyl)-N-methyl-, monohydrate; Butanoic acid, 3-oxo-, methyl ester; Methanol;
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	3(2H)-Isothiazolone, 5-chloro-2-methyl-; 3(2H)-Isothiazolone, 2-methyl-

15.1.1.2. REACH Candidate List Information

Contains no substance on the REACH candidate list

15.1.1.3. POP (2019/1021) - Persistent Organic Pollutants Information

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.1.4. PIC Regulation EU (649/2012) - Export and Import of Hazardous Chemicals Information

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

15.1.1.5. REACH Annex XIV Information

Contains no REACH Annex XIV substances

15.1.1.6. Substances Depleting the Ozone layer (1005/2009) Information

No additional information available

15.1.1.7. EC Inventory Information

3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Lithium hydroxide (1310-65-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Butanoic acid, 3-oxo-, methyl ester (105-45-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Methanol (67-56-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

2,4-Pentanedione (123-54-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Glycine, N-(aminoiminomethyl)-N-methyl-, monohydrate (6020-87-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.1.8. Other Information

No additional information available

15.1.2. National Regulations

No additional information available

15.1.3. International Inventory Lists

3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Lithium hydroxide (1310-65-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Japanese Poisonous and Deleterious Substances Control Law
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Butanoic acid, 3-oxo-, methyl ester (105-45-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Methanol (67-56-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
Subject to reporting requirements of United States SARA Section 313
Listed on EPA Hazardous Air Pollutant (HAPS)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Japanese Poisonous and Deleterious Substances Control Law
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Glycine, N-(aminoiminomethyl)-N-methyl-, monohydrate (6020-87-7)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

2,4-Pentanedione (123-54-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Date of Preparation or Latest Revision : 14/12/2022

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) 2020/878

Full Text of H- and EUH-statements:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2

EUH071	Corrosive to the respiratory tract.
EUH208	Contains 3(2H)-Isothiazolone, 5-chloro-2-methyl-(26172-55-4), 3(2H)-Isothiazolone, 2-methyl-(2682-20-4). May produce an allergic reaction.
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
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful 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.
H411	Toxic to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
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

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
NDS - Najwyzsze Dopuszczalne Stezenie
NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe
NDSP - Najwyzsze 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

LD50 - Median Lethal Dose
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
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

Limit Value Legal Basis*

*Includes the below and any related regulations/provisions, and subsequent amendements

EU - 2019/1831 EU in accor. with 98/24/EC - Directive 2019/1831/EU of October 24, 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 2000/39/EC.

EU - 2019/1243/EU, and 98/24/EC) - Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work and amendment Regulation (EU) 2019/1243.

Austria - BGBl. II Nr. 254/2018 - Ordinance on Limit Values for Workplace Substances and on Carcinogens from the Federal Ministry of Economics and Labour, Published in 2003, Appendix 1: Substance List, Published through: Ministry of Economics and Labour of the Republic of Austria amended through the Government Gazette II (BGBL. II) No 119/2004) & BGBl. II No. 242/2006, BGBl. II No. 243/2007, lastly changed through BGBl. I Nr. 51/2011), BGBl. II Nr. 186/2015, BGBl. II Nr. 288/2017 amended by BGBl. II Nr. 254/2018.

Austria - BLV BGBl. II Nr. 254/2018 - Ordinance on health monitoring at the workplace 2008, published through BGBl. II Nr. 224/2007 by Austria Minister for Labor and Social Affairs, Lastly changed through BGBl. II Nr. 254/2018

Belgium - Royal Decree 21/01/2020 - Royal decree amending title 1 relating to chemical agents in Book VI of the code of well-being at work, with regard to the list of limit values of exposure to chemical agents and title 2 relating to carcinogens, mutagens and reprotoxics of Book VI of the code of well-being at work (1)

Bulgaria - Reg. No. 13/10 -
Regulation No. 13 of December 30, 2003 on the Protection of Workers from Hazards Related to Exposure to Chemical Agents at Work Labor Code, Annex No.1 Limit values of chemical agents in the air of the working environment, and Annex № 2 Biological limit values of chemical agents and their metabolites (bio markers of exposure) or bio markers of effect Amended by: 71/2006, 67/2007, 2/2012, 46/2015, 73/2018, 5/2020), and Regulation No.10 of September 26, 2003 on the Protection of Workers from the Risks Associated with Exposure to Carcinogens and Mutagens at Work Annex No.1 Occupational Exposure Limits, Amended by: 8/2004, 46/2015, 5/2020

Croatia - OG No. 91/2018 - Regulation on the Protection of Workers from Exposure to Hazardous Chemicals at Work, the Limit Values of Exposure and the Biological Limit Values. Official Gazette No. 91 of October 12, 2018

Cyprus - KDP 16/2019 - Government of Cyprus Cabinet of Ministers Regulation 268/2001 - Safety and Health in the Working Environment (Chemical Substances) Article 38, As amended by Regulation 16/2019 and Cabinet of Ministers Regulation 153/2001 - Safety and Health in the Working Environment (Chemical Substances-Carcinogens), as amended by Regulation 493/2004 - Safety and Health in the Working Environment (Chemical Substances - Carcinogens) AND Law 47(I) 2000 - Occupational Health and Safety (Asbestos), as amended by Decree 316/2006.

Czech Republic - Reg. 41/2020 - Regulation 41/2020 amending Regulation 361/2007 of Coll. establishing Occupation Exposure Limits as amended

Czech Republic - Decree No. 107/2013 - Decree No. 107/2013 Coll., amending Decree No. 432/2003 Coll., laying down the conditions for the application of the work into categories, limit values for the parameters of biological exposure tests, collection of biological material conditions for the implementation of biological exposure tests and requirements for reporting work with asbestos and biological agents

Denmark - BEK No. 698 of 28/05/2020 - Order on Limit Values for Substances and Materials, The Statutory Order No. 507 of May 17, 2011, Appendix 1 - Limits for air pollution, etc. and Appendix 3 - Biological Exposure Values, Amended by: No. 986 of October 11, 2012, No. 655 of May 31, 2018, No. 1458 December 13, 2019, No. 698 of May 28, 2020

Estonia - Regulation No. 105 - Health and Safety Requirements for the Use of Dangerous Chemicals and Materials Containing Them and Occupational

Greece - PWHSE - Occupational Exposure Limits - Protection of workers' health and safety from exposure to certain chemical substances during the workday, (latest amendment 82/2018) and Occupation Exposure Limits - Protection of workers' health and safety from exposure to certain carcinogenic and mutagenic chemical substances (latest amendment 26/2020), and Presidential Decree 212/2006 - Protection of workers that are exposed to asbestos.

Hungary - Decree 05/2020 - 5/2020. (II. 6.) ITM decree on the protection of the health and safety of workers from the risks related to chemical agents

Ireland - 2020 COP - 2020 Code of Practice for the Chemical Agents Regulations, Schedule 1

Italy - Decree 81 - Title IX, Annex XLIII and XXXVIII, Professional Exposure Limits and Annex XXXIX Mandatory Biological Limit Values and Health Monitoring, Article 1, Law 123 of August 3, 2007, Legislative Decree 81 of April 9, 2008, Last amended: January 2020

Italy - IMDFN1 - Ministerial Decree of August 20, 1999 Final Note (1)

Latvia - Reg. No. 325 - Cabinet of Ministers Regulation No. 325 - Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces, Amended by Cabinet of Ministers Regulation No. 92, 163, 407 and No. 11.

Lithuania - HN 23:2011 - Lithuanian Hygiene Standard HN 23:2011 Occupational Exposure Limit Values, Amended by Order V-695/A1-272.

Luxembourg - A-N 684 - Grand-Ducal Regulation of 20 July 2018 amending the Grand-Ducal Regulation of 14 November 2016 concerning the protection of the safety and health of employees against the risks associated with chemical agents in the workplace. Official journal of the Grand-Duke of Luxembourg, A-N°684 of 2018

Malta - MOSHAA Ch. 424 - Malta Occupational Health and Safety Authority Act: Chapter 424 as amended by: Legal Notice 353, 53, 198, and 57.

Netherlands- OWCRLV - Occupational Working Conditions Regulation, Limit Values for substances harmful to health, Annex XVIII, Updated from August 1, 2020.

Norway - FOR-2020-04-060695 - Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents, FOR-2011-12-06-1358, Updated by: FOR-2020-04-06-695, FOR-2020-03-23-402, FOR-2018-12-20-2186, FOR-2018-08-21-1255, FOR-2017-12-20-2353.

Poland - Dz. U. 2020 Nr. 61 - Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the Highest Allowable Concentrations and Intensities of Factors Harmful to Health in the Work Environment Dz.U. 2018 Nr. 1286 of June 12, 2018, Annex 1 - List of values of the highest permissible chemical concentrations and dust factors harmful to health in the work environment, amended by: Dz. U. 2020 Nr. 61.

Portugal - Portuguese Norm NP 1796:2014 - Occupational exposure limits and biological exposure indices to chemical agents. Table 1 - Occupational exposure limits and biological exposure indices to chemical agents (OELs), Law Decree 35/2020.

Romania - Gov. Dec. No 1.218 - Governmental Decision No. 1.218 from 06/09/2006 on the minimum health and safety requirements for protection of workers from the risks related to exposure to chemical agents, Annex No. 1 Mandatory National Occupational Exposure Limit Values for Chemical Agents. Amended by Decision no. 157, 584, 359, and 1.

Slovakia - Gov. Decree 33/2018 - Government Decree of Slovak Republic 33/2018 on January 17, 2018 amending Government Decree of Slovak Republic 355/2006 about protection of health of employees when working with chemical agents

Slovenia - No. 79/19 - Regulation for protection of workers against risks related to carcinogenic or mutagenic substances exposure. Annex III - Classification and binding levels of carcinogenic or mutagenic substances for

Exposure Limits to Chemical Agents
Government of the Republic, Regulation No. 105 of 20 March 2001, Amended 17 October 2019, and 17 January, 2020.
Finland - HTP-ARVOT 2020 - Concentrations Known to be Hazardous, 654/2020 OEL values 2020 Publications of Ministry of Social Affairs and Health 2020:24 Annexes1, 2 and 3.
France - INRS ED 984 - Occupational Exposure Limit Values to Chemical Agents in France Published 2016 by the INRS National Institute of Research and Safety Health and safety of work, revised, updated by: Decree 2016-344, JORF No 0119, and Decree 2019-1487.
France - Decree 2009-1570 - Decree 2009-1570 of December 15, 2009, relative to the control of chemical risk on workplaces.
Germany - TRGS 900 - Occupational Exposure Limits, Technical Rules for Dangerous Substances, latest amendment March, 2020
Germany - TRGS 903 - Biological Threshold Limits (BGW-Values), Technical Rules for Dangerous Substances, latest amendment March, 2020
Gibraltar - LN. 2018/131 - Factories (Control of Chemical Agents at Work) Regulations 2003 LN. 2003/035, amended by LN. 2008/035, LN. 2008/050, LN. 2012/021, LN. 2015/143, LN. 2018/181.
EU GHS SDS (2020/878)
occupational exposure. The Official Journal of the Republic of Slovenia, No. 101/2005. Amended by 38/15, 79/19. Regulation for protection of workers against risks related to exposure to chemical substances at the workplace. Republic of Slovenia, No. 100/2001 . Annex I - List of Binding Occupational Exposure Limit Values. Amended by 39/05, 53/07, 102/10, 38/15, 78/18, 78/19
Spain - AFS 2018:1 - NATIONAL INSTITUTE FOR HEALTH AND SAFETY AT WORK. Occupational exposure limits for chemical agents in Spain. Tables 1 and 3. Latest edition Feb. 2019
Sweden - AFS 2018:1 - Statute Book of the Swedish Work Environment Authority, AFS 2018:1
The Swedish Work Environment Authority's Ordinance and General Guidance on Hygienic Limit Values
Switzerland - OLVSNAIF - Occupational Limit Values 2020 Swiss National Accident Insurance Fund. List of Biological Limit Values (BAT-Werte) and List of MAK Values.

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.