Final Finish

Safety Data Sheet

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

Date of Issue: 10/11/2022 Version: 1.0

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

1.1. Product Identifier

Product Form : Mixture

Product Name : Final Finish

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 : Polish to remove residual haze on coatings, paint or plastics.

1.2.2. Uses Advised Against

No additional information available

1.3. Details of the Supplier of the Safety Data Sheet

Company

Micro-Surface Finishing Products, Inc.
1217 W 3rd St
PO Box 70
Wilton IA 52778
563.732.3240
www.micro-surface.com
microsurface@netwtc.net

1.4. Emergency Telephone Number

Emergency Number : 563.732.3240

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

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

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT RE 2	H373
Aquatic Chronic 3	H412

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

2.2. Label Elements

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

Hazard Pictograms (CLP) :

GHS02 GHS07 GHS08

Signal Word (CLP) : Danger

Hazard Statements (CLP) : H225 - Highly flammable liquid and vapour.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure (inhalation).
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face

protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
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

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

Component	
Isopropyl alcohol (67-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the 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

Component	
Isopropyl alcohol(67-63-0)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not 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**
Naphtha, petroleum, hydrotreated light substance with national workplace exposure limit(s) (PL)	(CAS-No.) 64742-49-0 (EC-No.) 265-151-9;927-510-4 (EC Index-No.) 649-328-00-1	13,3	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Solvent naphtha, petroleum, medium aliphatic	(CAS-No.) 64742-88-7 (EC-No.) 265-191-7 (EC Index-No.) 649-405-00-X	6,6	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[3-(decyloxy)propyl]methyliminio]di-2,1-ethanediyl]bis[.omega.-hydroxy-, branched, chlorides	(CAS-No.) 68478-94-4 (EC-No.) 614-533-7	1,8 – 2,3	Skin Corr. 1, H314 Eye Dam. 1, H318
Oleic acid substance with national workplace exposure limit(s) (BG)	(CAS-No.) 112-80-1 (EC-No.) 204-007-1	1,4	Not classified
Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	(CAS-No.) 68155-20-4 (EC-No.) 268-949-5	1,2	Eye Irrit. 2, H319
Triethanolamine substance with national workplace exposure limit(s) (AT, BE, CZ, DE, DK, EE, ES, FI, IE, LT, PT, SE, NO, CH)	(CAS-No.) 102-71-6 (EC-No.) 203-049-8	0,8	Not classified
Isopropyl alcohol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SI, SK, NO, CH)	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0	0,3 – 0,6	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Acrylic acid substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR,	(CAS-No.) 79-10-7 (EC-No.) 201-177-9 (EC Index-No.) 607-061-00-8	0,3	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008
HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH); substance with a Community workplace exposure limit			Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Acute 1, H400

Specific Concentration Limits:

Name	Product Identifier	Specific Concentration Limits
Acrylic acid	(CAS-No.) 79-10-7 (EC-No.) 201-177-9 (EC Index-No.) 607-061-00-8	(1 ≤C < 100) STOT SE 3, H335

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).

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 : Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Eye Contact : Immediately rinse with water for at least 15 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 : Causes skin irritation. Causes serious eye irritation. May cause damage to organs (central nervous system) through prolonged or repeated exposure (inhalation).

Symptoms/Effects After Inhalation : Prolonged exposure may cause irritation.

Symptoms/Effects After Skin Contact : Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Effects After Eye Contact : Contact causes severe irritation with redness and swelling of the conjunctiva.

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

Chronic Symptoms : May cause damage to organs (central nervous system) through prolonged or repeated exposure (inhalation).

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 : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2). Water may be ineffective but water should be used to keep fire-exposed container cool.

Unsuitable Extinguishing Media : Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard : Highly flammable liquid and vapour.

Explosion Hazard : May form flammable or explosive vapour-air mixture.

Reactivity : Reacts violently with strong oxidisers. Increased risk of fire or explosion.

Hazardous Combustion Products : Carbon oxides (CO, CO_2). Nitrogen oxides. Silicon oxides. Peroxides.

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. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures : Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

6.1.1. For Non-Emergency Personnel

Protective Equipment : Use appropriate personal protective equipment (PPE).

Emergency Procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

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 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. Eliminate ignition sources first, then ventilate the area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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. As an immediate precautionary measure, isolate spill or leak area in all directions.

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. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

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 : Handle empty containers with care because residual vapours are flammable.

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 breathing vapors, mist, spray. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge. Use only non-sparking tools.

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. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions : Store in accordance with applicable national storage class systems. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

Incompatible Materials : Oxidizers. Avoid aluminum at higher temperatures. Halogenated compounds.

7.3. Specific End Use(S)

Polish to remove residual haze on coatings, paint or plastics.

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.

Acrylic acid (79-10-7)		
EU	IOELV TWA (Legal Basis:2019/1831 EU in accor. with 98/24/EC)	29 mg/m³
EU	IOELV TWA (Legal Basis:2019/1831 EU in accor. with 98/24/EC)	10 ppm
EU	IOELV STEL (Legal Basis:2019/1831 EU in accor. with 98/24/EC)	59 mg/m³ (applies to a reference period of 1 minute)
EU	IOELV STEL (Legal Basis:2019/1831 EU in accor. with 98/24/EC)	20 ppm (applies to a reference period of 1 minute)
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	29 mg/m³

Acrylic acid (79-10-7)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	10 ppm
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	59 mg/m³
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	20 ppm
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	6 mg/m³
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	2 ppm
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	59 mg/m³ (short-term exposure limit value over a reference period of 1 minute)
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	20 ppm (short-term exposure limit value over a reference period of 1 minute)
Belgium	OEL Chemical Category (Legal Basis:Royal Decree 21/01/2020)	Skin
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	29 mg/m³
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	10 ppm
Bulgaria	OEL STEL (Legal Basis:Reg. No. 13/10)	59 mg/m³ (applies for a reference period of 1 minute)
Bulgaria	OEL STEL (Legal Basis:Reg. No. 13/10)	20 ppm (applies for a reference period of 1 minute)
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	29 mg/m³
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	10 ppm
Croatia	OEL STEL (Legal Basis:OG No. 91/2018)	59 mg/m³ (applies for a reference period of 1 minute)
Croatia	OEL STEL (Legal Basis:OG No. 91/2018)	20 ppm (applies for a reference period of 1 minute)
Cyprus	OEL TWA (Legal Basis:KDP 16/2019)	29 mg/m³
Cyprus	OEL TWA (Legal Basis:KDP 16/2019)	10 ppm
Cyprus	OEL STEL (Legal Basis:KDP 16/2019)	59 mg/m³ (Short term exposure reference period 1 minute)
Cyprus	OEL STEL (Legal Basis:KDP 16/2019)	20 ppm (Short term exposure reference period 1 minute)
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	30 mg/m³
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	5,9 mg/m³
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	2 ppm
Denmark	OEL STEL (Legal Basis:BEK No. 698 of 28/05/2020)	59 mg/m³ (1 minute)
Denmark	OEL STEL (Legal Basis:BEK No. 698 of 28/05/2020)	20 ppm (1 minute)
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)	29 mg/m³
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	10 ppm
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	59 mg/m³ (Acrylic acid) 45 mg/m³ (Propenoic acid)
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	20 ppm (Acrylic acid) 15 ppm (Propenoic acid)
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	6 mg/m³
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	2 ppm
Finland	OEL Ceiling (Legal Basis:HTP-ARVOT 2020)	45 mg/m³
Finland	OEL Ceiling (Legal Basis:HTP-ARVOT 2020)	15 ppm
France	OEL STEL (Legal Basis:INRS ED 984)	30 mg/m³
France	OEL STEL (Legal Basis:INRS ED 984)	10 ppm
France	OEL TWA (Legal Basis:INRS ED 984)	6 mg/m³
France	OEL TWA (Legal Basis:INRS ED 984)	2 ppm
Germany	OEL TWA (Legal Basis:TRGS 900)	30 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)	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	OEL TWA (Legal Basis:LN. 2018/181)	29 mg/m³
Gibraltar	OEL TWA (Legal Basis:LN. 2018/181)	10 ppm
Gibraltar	OEL STEL (Legal Basis:LN. 2018/181)	59 mg/m³ (reference period of 1 minute)
Gibraltar	OEL STEL (Legal Basis:LN. 2018/181)	20 ppm (reference period of 1 minute)
Greece	OEL TWA (Legal Basis:PWHSE)	29 mg/m³
Greece	OEL TWA (Legal Basis:PWHSE)	10 ppm
Greece	OEL STEL (Legal Basis:PWHSE)	59 mg/m³ (short-term exposure limit value over a 1-minute reference period)
Greece	OEL STEL (Legal Basis:PWHSE)	20 ppm (short-term exposure limit value over a 1-minute reference period)
Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	29 mg/m³
Hungary	OEL STEL (Legal Basis:Decree No. 05/2020)	59 mg/m³ (Refers to a reference time of 1 minute)

Acrylic acid (79-10-7)		
Ireland	OEL TWA (Legal Basis:2020 COP)	29 mg/m³
Ireland	OEL TWA (Legal Basis:2020 COP)	10 ppm
Ireland	OEL STEL (Legal Basis:2020 COP)	59 mg/m³ (calculated)
Ireland	OEL STEL (Legal Basis:2020 COP)	20 ppm (calculated)
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	2 ppm
Italy	OEL TWA (Legal Basis:Decree 81)	10 mg/m³
Italy	OEL TWA (Legal Basis:Decree 81)	29 ppm
Italy	OEL STEL (Legal Basis:Decree 81)	20 mg/m³ (inhalable fraction)
Italy	OEL STEL (Legal Basis:Decree 81)	59 ppm (refers to a 1 minute reference exposure period)
Italy	OEL Chemical Category (Legal Basis:Decree 81)	skin - potential for cutaneous absorption
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	5 mg/m³
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	1,7 ppm
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	29 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	10 ppm
Lithuania	OEL Ceiling (Legal Basis:HN 23:2011)	59 mg/m³
Lithuania	OEL Ceiling (Legal Basis:HN 23:2011)	20 ppm
Luxembourg	OEL TWA (Legal Basis:A-N 684)	29 mg/m³ (short-term exposure limit value over a reference period of 1 minute)
Luxembourg	OEL TWA (Legal Basis:A-N 684)	10 ppm (short-term exposure limit value over a reference period of 1 minute)
Luxembourg	OEL STEL (Legal Basis:A-N 684)	59 mg/m³ (short-term exposure limit value over a reference period of 1 minute)
Luxembourg	OEL STEL (Legal Basis:A-N 684)	20 ppm (short-term exposure limit value over a reference period of 1 minute)
Malta	OEL TWA (Legal Basis:MOHSAA Ch. 424)	29 mg/m³ (short-term exposure limit value in relation to a reference period of 1 minute)
Malta	OEL TWA (Legal Basis:MOHSAA Ch. 424)	10 ppm (short-term exposure limit value in relation to a reference period of 1 minute)
Malta	OEL STEL (Legal Basis:MOHSAA Ch. 424)	59 mg/m³ (short-term exposure limit value in relation to a reference period of 1 minute)
Malta	OEL STEL (Legal Basis:MOHSAA Ch. 424)	20 ppm (short-term exposure limit value in relation to a reference period of 1 minute)
Netherlands	OEL TWA (Legal Basis:OWCRLV)	29 mg/m³
Netherlands	OEL STEL (Legal Basis:OWCRLV)	59 mg/m³ (1 min)
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	29 mg/m³
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	10 ppm
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	59 mg/m³ (value from the regulation)
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	20 ppm (value from the regulation)
Norway	OEL Chemical Category (Legal Basis:FOR-2020-04-06-695)	Allergenic substance
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	10 mg/m³
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	29,5 mg/m³
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	29 mg/m³ (indicative limit value)
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	10 ppm (indicative limit value)
Portugal	OEL STEL (Legal Basis:Portuguese Norm NP 1796:2014)	59 mg/m³ (indicative limit value)
Portugal	OEL STEL (Legal Basis:Portuguese Norm NP 1796:2014)	20 ppm (indicative limit value)
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	29 mg/m³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa)
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	10 ppm
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	59 mg/m³ (applies for a reference period of 1 minute)
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	20 ppm (applies for a reference period of 1 minute)
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	29 mg/m³
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	10 ppm
Slovakia	OEL STEL (Legal Basis:Gov. Decree 33/2018)	59 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	29 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	10 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	59 mg/m³ (applies for a reference period of 1 minute)
Slovenia	OEL STEL (Legal Basis:No. 79/19)	20 ppm (applies for a reference period of 1 minute)

Acrylic acid (79-10-7)		
Slovenia	OEL Chemical Category (Legal Basis:No. 79/19)	Potential for cutaneous absorption
Spain	OEL TWA (Legal Basis:OELCAIS)	29 mg/m³
Spain	OEL TWA (Legal Basis:OELCAIS)	10 ppm
Spain	OEL STEL (Legal Basis:OELCAIS)	59 mg/m³
Spain	OEL STEL (Legal Basis:OELCAIS)	20 ppm
Spain	OEL Chemical Category (Legal Basis:OELCAIS)	skin - potential for cutaneous absorption
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	29 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	10 ppm
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	59 mg/m³
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	20 ppm
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	59 mg/m³
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	20 ppm
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	29 mg/m³
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	10 ppm
Switzerland	OEL Chemical Category (Legal Basis:OLVSNAIF)	Sensitizer
Naphtha, petroleum, hydrotreated light (64742-49-0)		
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	500 mg/m³ (extraction)
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	1500 mg/m³ (extraction (Benzin)
Oleic acid (112-80-1)		
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	10 mg/m³
Triethanolamine (102-71-6)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	5 mg/m³ (inhalable fraction)
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	0,8 ppm
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	10 mg/m³ (inhalable fraction)
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	1,6 ppm
Austria	OEL Chemical Category (Legal Basis:BGBl. II Nr. 254/2018)	Sensitizer
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	5 mg/m³
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	5 mg/m³
Czech Republic	OEL Chemical Category (Legal Basis:Decree No. 107/2013)	Potential for cutaneous absorption
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	3,1 mg/m³
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	0,5 ppm
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	5 mg/m³
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	10 mg/m³
Estonia	OEL Chemical Category (Legal Basis:Regulation No. 105)	Sensitizer
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	5 mg/m³
Germany	OEL TWA (Legal Basis:TRGS 900)	1 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Ireland	OEL TWA (Legal Basis:2020 COP)	5 mg/m³
Ireland	OEL STEL (Legal Basis:2020 COP)	15 mg/m³ (calculated)
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	5 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	5 mg/m³
Lithuania	OEL STEL (Legal Basis:HN 23:2011)	10 mg/m³
Lithuania	OEL Chemical Category (Legal Basis:HN 23:2011)	Sensitizer
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	5 mg/m³
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	10 mg/m³ (value calculated)
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	5 mg/m³
Spain	OEL TWA (Legal Basis:OELCAIS)	5 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	5 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	0,8 ppm
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	10 mg/m³
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	1,6 ppm
Sweden	OEL Chemical Category (Legal Basis:AFS 2018:1)	Skin notation
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	5 mg/m³ (inhalable dust)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	5 mg/m³ (inhalable dust)
Isopropyl alcohol (67-63-0)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	500 mg/m³

Isopropyl alcohol (67-63-0)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	200 ppm
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	2000 mg/m³ 2000 mg/m³ (STEL for large casting valid until December 31, 2013)
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	800 ppm 800 ppm (STEL for large casting valid until December 31, 2013)
Austria	OEL Chemical Category (Legal Basis:BGBl. II Nr. 254/2018)	Group C Carcinogen by manufacturing of strong Acid process, Group C Carcinogen by manufacturing of strong Acid process
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	500 mg/m³
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	200 ppm
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	1000 mg/m³
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	400 ppm
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	980 mg/m³
Bulgaria	OEL STEL (Legal Basis:Reg. No. 13/10)	1225 mg/m³
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	999 mg/m³
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	400 ppm
Croatia	OEL STEL (Legal Basis:OG No. 91/2018)	1250 mg/m³
Croatia	OEL STEL (Legal Basis:OG No. 91/2018)	500 ppm
Croatia	OEL BLV (Legal Basis:OG No. 91/2018)	50 mg/l Parameter: Acetone - Medium: blood - Sampling time: at the end of the work shift 50 mg/l Parameter: Acetone - Medium: urine - Sampling time: at the end of the work shift
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	500 mg/m³
Czech Republic	OEL Chemical Category (Legal Basis:Decree No. 107/2013)	Potential for cutaneous absorption
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	490 mg/m³
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	200 ppm
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	350 mg/m³
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	150 ppm
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	600 mg/m³
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	250 ppm
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	500 mg/m³ (Propanol)
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	200 ppm (Propanol)
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	620 mg/m³
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	250 ppm
France	OEL STEL (Legal Basis:INRS ED 984)	980 mg/m³
France	OEL STEL (Legal Basis:INRS ED 984)	400 ppm
Germany	OEL TWA (Legal Basis:TRGS 900)	500 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)	200 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)	25 mg/l Parameter: Acetone - Medium: whole blood - Sampling time: end of shift 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift
Greece	OEL TWA (Legal Basis:PWHSE)	980 mg/m³
Greece	OEL TWA (Legal Basis:PWHSE)	400 ppm
Greece	OEL STEL (Legal Basis:PWHSE)	1225 mg/m³
Greece	OEL STEL (Legal Basis:PWHSE)	500 ppm
Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	500 mg/m³
Hungary	OEL STEL (Legal Basis:Decree No. 05/2020)	1000 mg/m³
Hungary	OEL Chemical Category (Legal Basis:Decree No. 05/2020)	Potential for cutaneous absorption
Ireland	OEL TWA (Legal Basis:2020 COP)	200 ppm
Ireland	OEL STEL (Legal Basis:2020 COP)	400 ppm
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)	400 ppm
USA ACGIH	BEI Value (Legal Basis:IMDFN1)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	350 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	350 mg/m³

Isopropyl alcohol (67-63-0)		
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	150 ppm
Lithuania	OEL STEL (Legal Basis:HN 23:2011)	600 mg/m³
Lithuania	OEL STEL (Legal Basis:A-N 684)	250 ppm
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	245 mg/m³
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	100 ppm
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	306,25 mg/m³ (value calculated)
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	150 ppm (value calculated)
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	900 mg/m³
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	1200 mg/m³
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	200 ppm
Portugal	OEL STEL (Legal Basis:Portuguese Norm NP 1796:2014)	400 ppm
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	A4 - Not Classifiable as a Human Carcinogen
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	200 mg/m³
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	81 ppm
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	500 mg/m³
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	203 ppm
Romania	OEL BLV (Legal Basis:Gov. Dec. No 1.218)	50 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	500 mg/m³
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	200 ppm
Slovakia	OEL STEL (Legal Basis:Gov. Decree 33/2018)	1000 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	500 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	200 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	1000 mg/m³
Slovenia	OEL STEL (Legal Basis:No. 79/19)	400 ppm
Spain	OEL TWA (Legal Basis:OELCAIS)	500 mg/m³ (partial or complete commercialization or use of this substance as a phytosanitary or biocide compound is prohibited)
Spain	OEL TWA (Legal Basis:OELCAIS)	200 ppm (partial or complete commercialization or use of this substance as a phytosanitary or biocide compound is prohibited)
Spain	OEL STEL (Legal Basis:OELCAIS)	1000 mg/m³
Spain	OEL STEL (Legal Basis:OELCAIS)	400 ppm
Spain	OEL BLV (Legal Basis:OELCAIS)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of workweek
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	350 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	150 ppm
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	600 mg/m³
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	250 ppm
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	1000 mg/m³
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	400 ppm
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	500 mg/m³
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	200 ppm
Switzerland	OEL BLV (Legal Basis:OLVSNAIF)	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift 25 mg/l Parameter: Acetone - Medium: whole blood - Sampling time: end of shift

8.2. Exposure Controls

Appropriate Engineering Controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

Personal Protective Equipment : Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. 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. Wear fire/flame resistant/retardant clothing.
Hand Protection	:	Wear protective gloves.
Eye 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
Colour, Appearance	:	White Cream
Colour	:	White, Cream
Odour	:	According to product specification
Odour Threshold	:	No data available
pH	:	Not available
Evaporation Rate	:	No data available
Melting Point	:	Not available
Freezing Point	:	Not available
Boiling Point	:	48 – 70 °C (118,4 – 158 °F) (Hydrocarbons, C6, isoalkanes, <5% n-hexane (CAS-No. 64742-49-0))
Flash Point	:	< 0 °C (32 °F) (Hydrocarbons, C6, isoalkanes, <5% n-hexane (CAS-No. 64742-49-0))
Auto-Ignition Temperature	:	> 200 °C (392 °F) (Hydrocarbons, C6, isoalkanes, <5% n-hexane (CAS-No. 64742-49-0))
Decomposition Temperature	:	No data available
Flammability	:	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
Viscosity, Kinematic	:	> 20,5 mm^2/s
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

Reacts violently with strong oxidisers. Increased risk of fire or explosion.

10.2. Chemical Stability

Highly flammable liquid and vapour. May form flammable or explosive vapour-air mixture.

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources. Protect from sunlight and air.

10.5. Incompatible Materials

Oxidizers. Avoid aluminum at higher temperatures. Halogenated compounds.

10.6. Hazardous Decomposition Products

Prolonged exposure to air and light may result in the formation of peroxides.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Likely Routes of Exposure :

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)

Acrylic acid (79-10-7)	
LD50 Oral Rat	1337 mg/kg
LD50 Oral	340 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LD50 dermal	280 mg/kg
LC50 Inhalation Rat	11,1 mg/l (Exposure time: 1 h)

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
LD50 Oral Rat	> 25 ml/kg
LD50 Dermal Rabbit	> 4000 mg/kg
LC50 Inhalation Rat	> 5,28 mg/l/4h

Naphtha, petroleum, hydrotreated light (64742-49-0)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 3160 mg/kg
LC50 Inhalation Rat	73680 ppm/4h

Oleic acid (112-80-1)	
LD50 Oral Rat	25 g/kg

Triethanolamine (102-71-6)	
LD50 Oral Rat	6400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg

Isopropyl alcohol (67-63-0)	
LD50 Oral	4384 mg/kg
LD50 Dermal Rabbit	12956 mg/kg (16.4 mL/kg bw)
LC50 Inhalation Rat	> 10000 ppm (Exposure time: 6 h)

Skin Corrosion/Irritation : Causes skin irritation.

Eye Damage/Irritation : Causes serious eye irritation.

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)

Acrylic acid (79-10-7)	
IARC Group	3

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

Triethanolamine (102-71-6)	
IARC Group	3

Isopropyl alcohol (67-63-0)	
IARC Group	3

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) : May cause damage to organs (central nervous system) through prolonged or repeated exposure (inhalation).

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 : Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact : Contact causes severe irritation with redness and swelling of the conjunctiva.
Symptoms/Injuries After Ingestion : Ingestion may cause adverse effects.
Chronic Symptoms : May cause damage to organs (central nervous system) through prolonged or repeated exposure (inhalation).

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.

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) : Harmful to aquatic life with long lasting effects.

Acrylic acid (79-10-7)	
LC50 - Fish [1]	222 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
EC50 - Crustacea [1]	95 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 algae	0,13 mg/l
NOEC chronic algae	0,016 mg/l

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
LC50 - Fish [1]	800 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 algae	3,7 mg/l

Naphtha, petroleum, hydrotreated light (64742-49-0)	
LC50 - Fish [1]	8,2 mg/l (Exposure time: 96 h - Species: PimephaJes promelas [static])

Oleic acid (112-80-1)	
LC50 - Fish [1]	205 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Triethanolamine (102-71-6)	
LC50 - Fish [1]	10600 (10600 – 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	1386 mg/l
LC50 - Fish [2]	1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 algae	169 mg/l
NOEC chronic crustacea	16 mg/l

Isopropyl alcohol (67-63-0)	
LC50 - Fish [1]	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Other aquatic organisms [1]	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 - Fish [2]	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Other aquatic organisms [2]	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

12.2. Persistence and Degradability

Final Finish	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

Final Finish	
Bioaccumulative Potential	Not established.

Acrylic acid (79-10-7)	
Partition coefficient n-octanol/water (Log Pow)	0,46 (at 25 °C)

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
BCF Fish 1	(bioaccumulation expected)

Triethanolamine (102-71-6)	
BCF Fish 1	3,9
Partition coefficient n-octanol/water (Log Pow)	-2,53

Isopropyl alcohol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0,05 (at 25 °C)

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB Assessment

Component («_COMPOSITION%_CAS_NO&disp=value»)	
Isopropyl alcohol (67-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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.

12.7. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

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

Additional Information : Handle empty containers with care because residual vapours are flammable.

Ecology - Waste Materials : Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

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 or ID Number				
UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN Proper Shipping Name				
PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
14.3. Transport Hazard Class(Es)				
3	3	3	3	3
				
14.4. Packing Group				
II	II	II	II	II
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. 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

Contains no REACH substances with Annex XVII restrictions

15.1.1.2. REACH Candidate List Information

Contains no substance on the REACH candidate list ≥ 0,1 % / SCL

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

Acrylic acid (79-10-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Naphtha, petroleum, hydrotreated light (64742-49-0)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Amides, tall-oil fatty, N,N-bis(hydroxyethyl) (68155-20-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Oleic acid (112-80-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Triethanolamine (102-71-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Isopropyl alcohol (67-63-0)
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

Acrylic acid (79-10-7)
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
Japanese Pollutant Release and Transfer Register Law (PRTR 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)

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)
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 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 INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Naphtha, petroleum, hydrotreated light (64742-49-0)

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 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 INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Amides, tall-oil fatty, N,N-bis(hydroxyethyl) (68155-20-4)

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 the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Oleic acid (112-80-1)

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)
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)

Triethanolamine (102-71-6)

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)

Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[[3-(decyloxy)propyl]methyliminio]di-2,1-ethanediyl]bis[.omega.-hydroxy-, branched, chlorides (68478-94-4)

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 NZIoC (New Zealand Inventory of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemicals Inventory)

Isopropyl alcohol (67-63-0)

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 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 : 10/11/2022

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. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), 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 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
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.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

Classification and Procedure Used to Derive the Classification for Mixtures According to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	On basis of test data
Skin Irrit. 2	Calculation method
Eye Irrit. 2	Calculation method
STOT RE 2	Calculation method
Aquatic Chronic 3	Calculation method

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
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
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
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

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

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 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.

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 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.

EU GHS SDS (2020/878)

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.