

SAFETY DATA SHEET



TEKNOLUX AQUA 1728-52 - BASE T

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

1.1 Product identifier

Product name : TEKNOLUX AQUA 1728-52 - BASE T

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

Product use : Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person responsible for this SDS : Prod-safe@teknos.com

National contact

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : In an emergency, call 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

☒ Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317
STOT SE 3, H335

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : ☒ H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

Precautionary statements

Prevention : ☒ P280 - Wear protective gloves. Wear eye or face protection.
P261 - Avoid breathing vapour.
P264 - Wash thoroughly after handling.

Response : P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

Storage : P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

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Label No : 74781

SECTION 2: Hazards identification

- Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazardous ingredients** : Contains: ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate; Triethylamine and reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
- Supplemental label elements** :
- Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** :

2.3 Other hazards

- Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
- Other hazards which do not result in classification** : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
ethyl phenyl (2,4,6-trimethylbenzoyl) phosphinate	REACH #: 01-2119987994-10 EC: 282-810-6 CAS: 84434-11-7	≤2.1	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	-	[1]
2-hydroxy-2-methylpropiophenone	REACH #: 01-2119472306-39 EC: 231-272-0 CAS: 7473-98-5	≤1.6	Acute Tox. 4, H302 Aquatic Chronic 3, H412	ATE [Oral] = 1694 mg/kg	[1]
4-methylbenzophenone	EC: 205-159-1 CAS: 134-84-9	≤1.6	STOT RE 2, H373 (oral) Aquatic Chronic 3, H412	-	[1]
Triethylamine	REACH #: 01-2119475467-26 EC: 204-469-4 CAS: 121-44-8 Index: 612-004-00-5	<3	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335	ATE [Oral] = 460 mg/kg ATE [Dermal] = 300 mg/kg ATE [Inhalation (vapours)] = 3 mg/l STOT SE 3, H335: C ≥ 1%	[1] [2]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.001	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071	ATE [Oral] = 53 mg/kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (vapours)] = 0.5 mg/l Skin Corr. 1C, H314: C ≥ 0.6% Eye Dam. 1, H318: C ≥ 0.6%	[1]

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SECTION 3: Composition/information on ingredients

				Eye Irrit. 2, H319: 0.06% ≤ C < 0.6% Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 100 M [Chronic] = 100	
				See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness

SECTION 4: First aid measures

- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed


- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** :  In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides
metal oxide/oxides

5.3 Advice for firefighters


- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

- :  Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

SECTION 6: Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
Triethylamine	Regulation on Limit Values - MAC (Austria, 4/2021). TWA: 2 ppm 8 hours. TWA: 8.4 mg/m ³ 8 hours. PEAK: 3 ppm, 4 times per shift, 15 minutes. PEAK: 12.6 mg/m ³ , 4 times per shift, 15 minutes.
Acrylic acid	Regulation on Limit Values - MAC (Austria, 4/2021). CEIL: 59 mg/m ³ CEIL: 20 ppm TWA: 29 mg/m ³ 8 hours. TWA: 10 ppm 8 hours.
2-methyl-2H-isothiazol-3-one	Regulation on Limit Values - MAC (Austria, 4/2021). [] Skin sensitiser. TWA: 0.05 mg/m ³ 8 hours.
Triethylamine	Limit values (Belgium, 5/2021). Absorbed through skin. TWA: 0.5 ppm 8 hours. TWA: 2.07 mg/m ³ 8 hours. STEL: 1 ppm 15 minutes. STEL: 4.14 mg/m ³ 15 minutes.
Acrylic acid	Limit values (Belgium, 5/2021). Absorbed through skin. TWA: 2 ppm 8 hours. TWA: 6 mg/m ³ 8 hours. STEL: 59 mg/m ³ 1 minutes. STEL: 20 ppm 1 minutes.
Triethylamine	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Absorbed through skin. Limit value 15 min: 12.6 mg/m ³ 15 minutes. Limit value 8 hours: 8.4 mg/m ³ 8 hours. Limit value 15 min: 3 ppm 15 minutes. Limit value 8 hours: 2 ppm 8 hours.
propylidynetrimethanol	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Limit value 8 hours: 50 mg/m ³ 8 hours.
Acrylic acid	Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021). Limit value 8 hours: 29 mg/m ³ 8 hours. Limit value 15 min: 20 ppm 1 minutes. Limit value 15 min: 59 mg/m ³ 1 minutes. Limit value 8 hours: 10 ppm 8 hours.
Triethylamine	Ministry of Economy, Labour and Entrepreneurship ELV/ STELV (Croatia, 1/2021). Absorbed through skin. STELV: 12.6 mg/m ³ 15 minutes. STELV: 3 ppm 15 minutes. ELV: 8.4 mg/m ³ 8 hours. ELV: 2 ppm 8 hours.
Acrylic acid	Ministry of Economy, Labour and Entrepreneurship ELV/ STELV (Croatia, 1/2021). ELV: 29 mg/m ³ 8 hours. ELV: 10 ppm 8 hours. STELV: 59 mg/m ³ 1 minutes. STELV: 20 ppm 1 minutes.
Triethylamine	EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 2 ppm 8 hours. TWA: 8.4 mg/m ³ 8 hours. STEL: 3 ppm 15 minutes. STEL: 12.6 mg/m ³ 15 minutes.
Acrylic acid	EU OEL (Europe, 10/2019). Notes: list of indicative occupational exposure limit values STEL: 20 ppm 15 minutes. STEL: 59 mg/m ³ 15 minutes. TWA: 10 ppm 8 hours.

SECTION 8: Exposure controls/personal protection

Triethylamine

TWA: 29 mg/m³ 8 hours.

Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 5/2021). Absorbed through skin.

TWA: 8 mg/m³ 8 hours.

TWA: 1.904 ppm 8 hours.

STEL: 12 mg/m³ 15 minutes.

STEL: 2.856 ppm 15 minutes.

Acrylic acid

Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 5/2021).

TWA: 29 mg/m³ 8 hours.

STEL: 59 mg/m³ 1 minutes.

TWA: 9.686 ppm 8 hours.

STEL: 19.706 ppm 1 minutes.

Triethylamine

Working Environment Authority (Denmark, 6/2022). Absorbed through skin.

TWA: 1 ppm 8 hours.

TWA: 4.1 mg/m³ 8 hours.

STEL: 12.6 mg/m³ 15 minutes.

STEL: 3 ppm 15 minutes.

Triethylamine

Occupational exposure limits, Regulation No. 293 (Estonia, 10/2019). Absorbed through skin. Skin sensitiser.

TWA: 8.4 mg/m³ 8 hours.

TWA: 2 ppm 8 hours.

STEL: 12.6 mg/m³ 15 minutes.

STEL: 3 ppm 15 minutes.

Acrylic acid

Occupational exposure limits, Regulation No. 293 (Estonia, 10/2019).

TWA: 29 mg/m³ 8 hours.

TWA: 10 ppm 8 hours.

STEL: 45 mg/m³ 15 minutes.

STEL: 10 ppm 15 minutes.

Triethylamine

EU OEL (Europe, 1/2022). Absorbed through skin. Notes: list of indicative occupational exposure limit values

TWA: 2 ppm 8 hours.

TWA: 8.4 mg/m³ 8 hours.

STEL: 3 ppm 15 minutes.

STEL: 12.6 mg/m³ 15 minutes.

Triethylamine

Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020). Absorbed through skin.

STEL: 1 ppm 15 minutes.

STEL: 4.2 mg/m³ 15 minutes.

Acrylic acid

Institute of Occupational Health, Ministry of Social Affairs (Finland, 9/2020).

TWA: 2 ppm 8 hours.

TWA: 6 mg/m³ 8 hours.

CEIL: 15 ppm

CEIL: 45 mg/m³

Triethylamine

Ministry of Labor (France, 5/2021). Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)

STEL: 3 ppm 15 minutes.

STEL: 12.6 mg/m³ 15 minutes.

TWA: 4.2 mg/m³ 8 hours.

TWA: 1 ppm 8 hours.

Acrylic acid

Ministry of Labor (France, 5/2021). Notes: Indicative regulatory limit values (decree of 30-06-2004 modified)

TWA: 10 ppm 8 hours.

TWA: 29 mg/m³ 8 hours.

STEL: 20 ppm 1 minutes.

STEL: 59 mg/m³ 1 minutes.

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2,2-bis(acryloyloxymethyl)butyl acrylate
Triethylamine

DFG MAC-values list (Germany, 10/2021). Skin sensitiser.
TRGS 900 OEL (Germany, 7/2021). Absorbed through skin.
TWA: 4.2 mg/m³ 8 hours.
PEAK: 8.4 mg/m³ 15 minutes.
TWA: 1 ppm 8 hours.
PEAK: 2 ppm 15 minutes.

Acrylic acid

DFG MAC-values list (Germany, 10/2021).
TWA: 1 ppm 8 hours.
PEAK: 2 ppm, 4 times per shift, 15 minutes.
TWA: 4.2 mg/m³ 8 hours.
PEAK: 8.4 mg/m³, 4 times per shift, 15 minutes.

DFG MAC-values list (Germany, 10/2021).

TWA: 30 mg/m³ 8 hours.
TWA: 10 ppm 8 hours.
PEAK: 10 ppm, 4 times per shift, 15 minutes.
PEAK: 30 mg/m³, 4 times per shift, 15 minutes.

TRGS 900 OEL (Germany, 7/2021).

TWA: 30 mg/m³ 8 hours.
PEAK: 30 mg/m³ 15 minutes.
TWA: 10 ppm 8 hours.
PEAK: 10 ppm 15 minutes.

2-methyl-2H-isothiazol-3-one

DFG MAC-values list (Germany, 10/2021). Skin sensitiser.

Triethylamine

Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021). Absorbed through skin.

TWA: 10 ppm 8 hours.
TWA: 40 mg/m³ 8 hours.
STEL: 15 ppm 15 minutes.
STEL: 60 mg/m³ 15 minutes.

Acrylic acid

Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021).

TWA: 10 ppm 8 hours.
TWA: 29 mg/m³ 8 hours.
STEL: 20 ppm 1 minutes.
STEL: 59 mg/m³ 1 minutes.

Triethylamine

5/2020. (II. 6.) ITM Decree (Hungary, 2/2020). Absorbed through skin. Skin sensitiser. Inhalation sensitiser.

TWA: 8.4 mg/m³ 8 hours.
PEAK: 12.6 mg/m³ 15 minutes.

Acrylic acid

5/2020. (II. 6.) ITM Decree (Hungary, 2/2020).

TWA: 29 mg/m³ 8 hours.
PEAK: 59 mg/m³ 1 minutes.

Triethylamine

Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). Absorbed through skin.

STEL: 12.6 mg/m³ 15 minutes.
STEL: 3 ppm 15 minutes.
TWA: 8.4 mg/m³ 8 hours.
TWA: 2 ppm 8 hours.

Acrylic acid

Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021).

TWA: 5.9 mg/m³ 8 hours.
TWA: 2 ppm 8 hours.

Triethylamine

NAOSH (Ireland, 5/2021). Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values

OELV-8hr: 2 ppm 8 hours.
OELV-8hr: 8.4 mg/m³ 8 hours.
OELV-15min: 3 ppm 15 minutes.
OELV-15min: 12.6 mg/m³ 15 minutes.

Acrylic acid

NAOSH (Ireland, 5/2021). Notes: EU derived Occupational Exposure Limit Values

OELV-8hr: 10 ppm 8 hours.
OELV-8hr: 29 mg/m³ 8 hours.
OELV-15min: 59 mg/m³ 1 minutes.
OELV-15min: 20 ppm 1 minutes.

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Triethylamine	<p>Legislative Decree No. 819/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020). Absorbed through skin. 8 hours: 2 ppm 8 hours. 8 hours: 8.4 mg/m³ 8 hours. Short Term: 3 ppm 15 minutes. Short Term: 12.6 mg/m³ 15 minutes.</p>
Acrylic acid	<p>Legislative Decree No. 819/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020). Absorbed through skin. Short Term: 20 ppm 1 minutes. Short Term: 59 mg/m³ 1 minutes. 8 hours: 10 ppm 8 hours. 8 hours: 29 mg/m³ 8 hours.</p>
Triethylamine	<p>Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). STEL: 3 ppm 15 minutes. TWA: 8.4 mg/m³ 8 hours. STEL: 12.6 mg/m³ 15 minutes. TWA: 2 ppm 8 hours.</p>
Acrylic acid	<p>Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). TWA: 5 mg/m³ 8 hours. STEL: 20 ppm 1 minutes. STEL: 59 mg/m³ 1 minutes. TWA: 1.7 ppm 8 hours.</p>
Triethylamine	<p>Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2021). Absorbed through skin. TWA: 8.4 mg/m³ 8 hours. TWA: 2 ppm 8 hours. STEL: 12.6 mg/m³ 15 minutes. STEL: 3 ppm 15 minutes.</p>
propylidynetrimethanol	<p>Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2021). CEIL: 5 ppm</p>
Acrylic acid	<p>Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2021). TWA: 29 mg/m³ 8 hours. TWA: 10 ppm 8 hours. CEIL: 59 mg/m³ CEIL: 20 ppm</p>
Triethylamine	<p>Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021). Absorbed through skin. TWA: 2 ppm 8 hours. TWA: 8.4 mg/m³ 8 hours. STEL: 3 ppm 15 minutes. STEL: 12.6 mg/m³ 15 minutes.</p>
Acrylic acid	<p>Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021). STEL: 20 ppm 1 minutes. STEL: 59 mg/m³ 1 minutes. TWA: 10 ppm 8 hours. TWA: 29 mg/m³ 8 hours.</p>
Triethylamine	<p>EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 2 ppm 8 hours. TWA: 8.4 mg/m³ 8 hours. STEL: 3 ppm 15 minutes. STEL: 12.6 mg/m³ 15 minutes.</p>
Acrylic acid	<p>EU OEL (Europe, 10/2019). Notes: list of indicative occupational exposure limit values STEL: 20 ppm 15 minutes. STEL: 59 mg/m³ 15 minutes. TWA: 10 ppm 8 hours. TWA: 29 mg/m³ 8 hours.</p>

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Triethylamine	Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 7/2021). Absorbed through skin. OEL, 8-h TWA: 4.2 mg/m ³ 8 hours. STEL, 15-min: 12.6 mg/m ³ 15 minutes.
Acrylic acid	Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 7/2021). STEL, 15-min: 59 mg/m ³ 1 minutes. OEL, 8-h TWA: 29 mg/m ³ 8 hours.
Triethylamine	FOR-2011-12-06-1358 (Norway, 6/2021). Absorbed through skin. Notes: indicative limit value TWA: 2 ppm 8 hours. TWA: 8 mg/m ³ 8 hours.
Acrylic acid	FOR-2011-12-06-1358 (Norway, 6/2021). Skin sensitiser. Notes: indicative limit value TWA: 10 ppm 8 hours. TWA: 29 mg/m ³ 8 hours. FOR-2011-12-06-1358 (Norway, 6/2021). Skin sensitiser. STEL: 59 mg/m ³ 15 minutes. STEL: 20 ppm 15 minutes.
Triethylamine	Regulation of the Minister of Family, Labor and Social Policy of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). Absorbed through skin. TWA: 3 mg/m ³ 8 hours. STEL: 9 mg/m ³ 15 minutes.
Acrylic acid	Regulation of the Minister of Family, Labor and Social Policy of 18 February 2021, regarding the highest permissible concentrations and values of agents harmful to health in the work environment (Journal of Laws 2021, item 325) (Poland, 2/2021). Absorbed through skin. TWA: 10 mg/m ³ 8 hours. STEL: 29.5 mg/m ³ 15 minutes.
Triethylamine	Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 1 ppm 8 hours. STEL: 3 ppm 15 minutes.
Acrylic acid	Portuguese Institute of Quality (Portugal, 11/2014). Absorbed through skin. TWA: 2 ppm 8 hours.
Triethylamine	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). Absorbed through skin. VLA: 8.4 mg/m ³ 8 hours. VLA: 2 ppm 8 hours. Short term: 12.6 mg/m ³ 15 minutes. Short term: 3 ppm 15 minutes.
Acrylic acid	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). VLA: 29 mg/m ³ 8 hours. VLA: 10 ppm 8 hours. Short term: 59 mg/m ³ 1 minutes. Short term: 20 ppm 1 minutes.
Triethylamine	Government regulation SR c. 355/2006 (Slovakia, 9/2020). Absorbed through skin. TWA: 8.4 mg/m ³ 8 hours. TWA: 2 ppm 8 hours. STEL: 12.6 mg/m ³ 15 minutes. STEL: 3 ppm 15 minutes.
Acrylic acid	Government regulation SR c. 355/2006 (Slovakia, 9/2020). STEL: 59 mg/m ³ 1 minutes. STEL: 20 ppm 1 minutes. TWA: 29 mg/m ³ 8 hours. TWA: 10 ppm 8 hours.

SECTION 8: Exposure controls/personal protection

Triethylamine	<p>Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021).</p> <p>Absorbed through skin.</p> <p>TWA: 8.4 mg/m³ 8 hours. TWA: 2 ppm 8 hours. KTV: 12.6 mg/m³, 4 times per shift, 15 minutes. KTV: 3 ppm, 4 times per shift, 15 minutes.</p>
Acrylic acid	<p>Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021).</p> <p>Absorbed through skin.</p> <p>KTV: 20 ppm, 4 times per shift, 1 minutes. TWA: 10 ppm 8 hours. KTV: 59 mg/m³, 4 times per shift, 1 minutes. TWA: 29 mg/m³ 8 hours.</p>
Triethylamine	<p>National institute of occupational safety and health (Spain, 4/2021). Absorbed through skin.</p> <p>TWA: 2 ppm 8 hours. TWA: 8.4 mg/m³ 8 hours. STEL: 3 ppm 15 minutes. STEL: 12.6 mg/m³ 15 minutes.</p>
Acrylic acid	<p>National institute of occupational safety and health (Spain, 4/2021). Absorbed through skin.</p> <p>TWA: 10 ppm 8 hours. TWA: 29 mg/m³ 8 hours. STEL: 59 mg/m³ 15 minutes. STEL: 20 ppm 15 minutes.</p>
Triethylamine	<p>Work environment authority Regulation 2018:1 (Sweden, 9/2021). Absorbed through skin.</p> <p>TWA: 1 ppm 8 hours. TWA: 4.2 mg/m³ 8 hours. STEL: 3 ppm 15 minutes. STEL: 12.6 mg/m³ 15 minutes.</p>
propylidynetrimethanol	<p>Work environment authority Regulation 2018:1 (Sweden, 9/2021).</p> <p>TWA: 5 mg/m³ 8 hours.</p>
Acrylic acid	<p>Work environment authority Regulation 2018:1 (Sweden, 9/2021).</p> <p>TWA: 10 ppm 8 hours. TWA: 29 mg/m³ 8 hours. STEL: 20 ppm 15 minutes. STEL: 59 mg/m³ 15 minutes.</p>
Triethylamine	<p>SUVA (Switzerland, 1/2021).</p> <p>TWA: 1 ppm 8 hours. TWA: 4.2 mg/m³ 8 hours. STEL: 2 ppm 15 minutes. STEL: 8.4 mg/m³ 15 minutes.</p>
Acrylic acid	<p>SUVA (Switzerland, 1/2021). Skin sensitizer.</p> <p>TWA: 10 ppm 8 hours. TWA: 29 mg/m³ 8 hours. STEL: 20 ppm 15 minutes. STEL: 59 mg/m³ 15 minutes.</p>
Triethylamine	<p>EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.</p> <p>STEL: 17 mg/m³ 15 minutes. TWA: 2 ppm 8 hours. TWA: 8 mg/m³ 8 hours. STEL: 4 ppm 15 minutes.</p>
Acrylic acid	<p>EH40/2005 WELs (United Kingdom (UK), 1/2020).</p> <p>STEL: 59 mg/m³ 1 minutes. STEL: 20 ppm 1 minutes. TWA: 29 mg/m³ 8 hours. TWA: 10 ppm 8 hours.</p>
2-(2-butoxyethoxy)ethanol	<p>EH40/2005 WELs (United Kingdom (UK), 1/2020).</p> <p>TWA: 10 ppm 8 hours.</p>

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Type	Exposure	Value	Population	Effects
ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate	DNEL	Long term Oral	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.87 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	1.4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	4.93 mg/m ³	Workers	Systemic
2-hydroxy-2-methylpropiophenone	DNEL	Long term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Oral	0.4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.9 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	3.5 mg/m ³	Workers	Systemic
4-methylbenzophenone	DNEL	Long term Oral	0.05 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.05 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.17 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	0.7 mg/m ³	Workers	Systemic
Triethylamine	DNEL	Long term Inhalation	8.4 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	8.4 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	12.1 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	12.6 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	12.6 mg/m ³	Workers	Systemic
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	DNEL	Long term Inhalation	0.02 mg/m ³	General population	Local
	DNEL	Long term Inhalation	0.02 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	0.04 mg/m ³	General population	Local
	DNEL	Short term Inhalation	0.04 mg/m ³	Workers	Local
	DNEL	Long term Oral	0.09 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.11 mg/kg bw/day	General population	Systemic

PNECs

No PNECs available

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Recommendations : Wear suitable gloves tested to EN374.

< 1 hour (breakthrough time): Nitrile gloves. thickness > 0.3 mm

> 8 hours (breakthrough time): 4H / Silver Shield® gloves.

Wash hands before breaks and immediately after handling the product.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Filter type (spray application): A P

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.
Colour : Clear.
Odour : Slight
Odour threshold : Not available.
Melting point/freezing point : Not available.
Initial boiling point and boiling range :

SECTION 9: Physical and chemical properties

Ingredient name	°C	°F	Method
Triethylamine	89.3	192.7	
water	100	212	

- Flammability** : Not available.
Lower and upper explosion limit : Lower: Not applicable.
Upper: Not applicable.
Flash point : Closed cup: >100°C (>212°F)
Auto-ignition temperature :

Ingredient name	°C	°F	Method
Triethylamine	249	480.2	
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	423	793.4	DIN EN 14522

- Decomposition temperature** : Not available.
pH : Not applicable.
Viscosity : Not available.
Solubility(ies) :
Not available.
Solubility in water : Not available.
Partition coefficient: n-octanol/ water : Not applicable.
Vapour pressure :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Triethylamine	54.00459	7.2				
water	17.5	2.3				

- Relative density** : Not available.
Density : 0.71 g/cm³
Vapour density : Not available.
Explosive properties : Not available.
Oxidising properties : Not available.
Particle characteristics
Median particle size : Not applicable.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability : The product is stable.
10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid : No specific data.
10.5 Incompatible materials : No specific data.
10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-hydroxy-2-methylpropiophenone	LD50 Dermal	Rat	6929 mg/kg	-
Triethylamine	LD50 Oral	Rat	1694 mg/kg	-
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]	LD50 Oral	Rat	460 mg/kg	-
and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LD50 Oral	Rat	53 mg/kg	-

Conclusion/Summary : Based on available data, the classification criteria are not met.

Acute toxicity estimates

Route	ATE value
Oral	31415.16 mg/kg
Dermal	28604.64 mg/kg
Inhalation (vapours)	286.05 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Triethylamine	Skin - Mild irritant	Rabbit	-	365 mg	-
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]	Skin - Severe irritant	Human	-	0.01 %	-
and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)					

Conclusion/Summary : Causes skin irritation.

Sensitisation

Conclusion/Summary : May cause an allergic skin reaction.

Mutagenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Reproductive toxicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Triethylamine	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
4-methylbenzophenone	Category 2	oral	-

Aspiration hazard

Not available.

SECTION 11: Toxicological information

Information on likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
Inhalation : May cause respiratory irritation.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

- Potential immediate effects** : Not available.
Potential delayed effects : Not available.

Long term exposure

- Potential immediate effects** : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

- Conclusion/Summary** : Not available.
General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

- Conclusion/Summary** : This product has not been tested for biodegradation.

12.3 Bioaccumulative potential

SECTION 12: Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
2-hydroxy-2-methylpropiofenone	1.62	-	Low
Triethylamine	1.45	<0.5	Low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Yes.

European waste catalogue (EWC) : 080112

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-

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SECTION 14: Transport information

14.5 Environmental hazards	No.	No.	No.	No.
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14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not relevant/applicable due to nature of the product.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
<input checked="" type="checkbox"/> TEKNOLUX AQUA 1728-52	≥90	3

Labelling :

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

Austria

VbF class : Not regulated.

Limitation of the use of organic solvents : Permitted.

Czech Republic

Storage code : IV

Denmark

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SECTION 15: Regulatory information

- Danish fire class** : IV-1
MAL-code : 1-3
Protection based on MAL : **According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:**

General: Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.

In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.

MAL-code: 1-3

Application: When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing* facility type, if the operator is inside the spray zone.

- Coveralls must be worn.

During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents.

- Gas filter mask and coveralls must be worn.

When spraying in existing* spray booths, if the operator is outside the spray zone.- Full mask with combined filter, arm protectors and apron must be worn.

During non-atomising spraying in existing* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone.

- Air-supplied half mask and eye protection must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Air-supplied full mask, coveralls and hood must be worn.

Drying: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

Polishing: When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn.

Caution The regulations contain other stipulations in addition to the above.

*See Regulations.


Restrictions on use : Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work.

List of undesirable substances : Not listed

[Finland](#)

[France](#)

SECTION 15: Regulatory information

Social Security Code, Articles L 461-1 to L 461-7 :  Triethylamine

RG 49, RG 49bis

Reinforced medical surveillance : Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable

Germany

Storage class (TRGS 510) : 10

Hazardous incident ordinance

This product is not controlled under the Germany Hazardous Incident Ordinance.

Hazard class for water : 1

Technical instruction on air quality control : TA-Luft Number 5.2.5: 7.4%
TA-Luft Class I - Number 5.2.5: 2.7%

AOX : The product contains organically bound halogens and can contribute to the AOX value in waste water.

Italy

D.Lgs. 152/06 : Not determined.

Netherlands

Water Discharge Policy (ABM) : A(3) Hazardous for aquatic organisms, may have long-term hazardous effects in aquatic environment. Decontamination effort: A

Norway

Sweden

Switzerland

VOC content : Exempt.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)


Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

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SECTION 16: Other information

Classification	Justification
Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335	Calculation method Calculation method Calculation method Calculation method

Full text of abbreviated H statements

H225	Highly 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.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications [CLP/GHS]

Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Skin Corr. 1A	SKIN CORROSION/IRRITATION - Category 1A
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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