

SAFETY DATA SHEET



TEKNOPOX AQUA PRIMER 3 - All variants

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

1.1 Product identifier

Product name : TEKNOPOX AQUA PRIMER 3 - All variants

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

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 Sens. 1, H317

Aquatic Chronic 2, H411

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 : H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention : P280 - Wear protective gloves.

P273 - Avoid release to the environment.

P261 - Avoid breathing vapour.

Response : P391 - Collect spillage.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

Storage : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients : Contains: 3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-Xylene- α , α' -diamine and 2,4,7,9-tetramethyl-5-decyne-4,7-diol

Supplemental label elements :

SECTION 2: Hazards identification

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

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Aliphatic polyamine	-	≤10	Aquatic Chronic 2, H411	-	[1]
2-(2-butoxyethoxy)ethanol	REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8	≤3	Eye Irrit. 2, H319	-	[1] [2]
1-Methoxy 2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≤3	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
Trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤3	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
3-aminomethyl-3,5,5-trimethylcyclohexylamine	REACH #: 01-2119514687-32 EC: 220-666-8 CAS: 2855-13-2 Index: 612-067-00-9	<1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317	ATE [Oral] = 1030 mg/kg Skin Sens. 1, H317: C ≥ 0.001%	[1]
m-Xylene-α,α'-diamine	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0	<1	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 EUH071	ATE [Oral] = 930 mg/kg ATE [Inhalation (gases)] = 4500 ppm	[1]
Zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≤1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
2,4,7,9-tetramethyl-	REACH #:	≤0.3	Eye Dam. 1, H318	-	[1]

SECTION 3: Composition/information on ingredients

5-decyne-4,7-diol	01-2119954390-39 EC: 204-809-1 CAS: 126-86-3		Skin Sens. 1B, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.		
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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

- Substance classified with a health or environmental hazard
- 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	: <input checked="" type="checkbox"/> 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 if irritation occurs.
Inhalation	: <input checked="" type="checkbox"/> Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 adverse health effects persist or are severe. 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.
Skin contact	: <input checked="" type="checkbox"/> 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	: <input checked="" type="checkbox"/> 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	: <input checked="" type="checkbox"/> No action shall be taken involving any personal risk or without suitable training. 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	: No specific data.
Inhalation	: No specific data.
Skin contact	: <input checked="" type="checkbox"/> 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	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.

SECTION 6: Accidental release measures

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. Avoid release to the environment. 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. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
E2	200 tonnes	500 tonnes

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

Product/ingredient name	Exposure limit values
2-(2-butoxyethoxy)ethanol	Regulation on Limit Values - MAC (Austria, 12/2024) TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m ³ . PEAK 15 minutes: 15 ppm 4 times per shift. PEAK 15 minutes: 101.2 mg/m ³ 4 times per shift.
1-Methoxy 2-propanol	Regulation on Limit Values - MAC (Austria, 12/2024) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 187 mg/m ³ . CEIL: 50 ppm. CEIL: 187 mg/m ³ .
m-Xylene- α , α' -diamine	Regulation on Limit Values - MAC (Austria, 12/2024)

SECTION 8: Exposure controls/personal protection

2-(2-butoxyethoxy)ethanol	TWA 8 hours: 0.1 mg/m ³ . CEIL: 0.1 mg/m ³ . Limit values (Belgium, 12/2023) STEL 15 minutes: 15 ppm. TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m ³ . STEL 15 minutes: 101.2 mg/m ³ .
1-Methoxy 2-propanol	Limit values (Belgium, 12/2023) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 184 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 369 mg/m ³ . Limit values (Belgium, 12/2023) Absorbed through skin. Limit value - M: 0.1 mg/m ³ .
m-Xylene- α , α' -diamine	 Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Limit value 8 hours: 67.5 mg/m ³ . Limit value 15 minutes: 101.2 mg/m ³ . Limit value 15 minutes: 15 ppm. Limit value 8 hours: 10 ppm.
2-(2-butoxyethoxy)ethanol	 Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 4/2024) Absorbed through skin. Limit value 8 hours: 375 mg/m ³ . Limit value 15 minutes: 568 mg/m ³ . Limit value 15 minutes: 150 ppm. Limit value 8 hours: 100 ppm.
1-Methoxy 2-propanol	 Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 101.2 mg/m ³ . STELV 15 minutes: 15 ppm. ELV 8 hours: 67.5 mg/m ³ . ELV 8 hours: 10 ppm.
2-(2-butoxyethoxy)ethanol	 Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 568 mg/m ³ . STELV 15 minutes: 150 ppm. ELV 8 hours: 375 mg/m ³ . ELV 8 hours: 100 ppm.
1-Methoxy 2-propanol	 Department of labour inspection (Cyprus, 7/2021) STEL 15 minutes: 15 ppm. STEL 15 minutes: 101.2 mg/m ³ . TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m ³ .
2-(2-butoxyethoxy)ethanol	 Department of labour inspection (Cyprus, 7/2021) Absorbed through skin. STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m ³ . TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m ³ .
1-Methoxy 2-propanol	 Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 101.2 mg/m ³ . STEL 15 minutes: 15 ppm.
2-(2-butoxyethoxy)ethanol	 Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 12/2023) Absorbed through skin. TWA 8 hours: 270 mg/m ³ . TWA 8 hours: 72.09 ppm.
1-Methoxy 2-propanol	

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2-(2-butoxyethoxy)ethanol	STEL 15 minutes: 550 mg/m ³ . STEL 15 minutes: 146.84 ppm.
1-Methoxy 2-propanol	Working Environment Authority (Denmark, 12/2024) TWA 8 hours: 68 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 15 ppm. STEL 15 minutes: 101 mg/m ³ .
m-Xylene- α,α' -diamine	Working Environment Authority (Denmark, 12/2024) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 185 mg/m ³ . STEL 15 minutes: 568 mg/m ³ . STEL 15 minutes: 150 ppm.
2-(2-butoxyethoxy)ethanol	Working Environment Authority (Denmark, 12/2024) Absorbed through skin. CEIL: 0.02 ppm. CEIL: 0.1 mg/m ³ .
1-Methoxy 2-propanol	Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024) TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024) Absorbed through skin, Sensitiser. TWA 8 hours: 375 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 568 mg/m ³ . STEL 15 minutes: 150 ppm.
1-Methoxy 2-propanol	EU OEL (Europe, 1/2022) TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 101.2 mg/m ³ . STEL 15 minutes: 15 ppm.
2-(2-butoxyethoxy)ethanol	EU OEL (Europe, 1/2022) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m ³ .
1-Methoxy 2-propanol	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) TWA 8 hours: 10 ppm. TWA 8 hours: 68 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 370 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 560 mg/m ³ .
1-Methoxy 2-propanol	Ministry of Labor (France, 6/2024) STEL 15 minutes: 101.2 mg/m ³ . Notes: Indicative regulatory limit values (decree of 30-06-2004 modified) STEL 15 minutes: 15 ppm. Notes: Indicative regulatory limit values (decree of 30-06-2004 modified) TWA 8 hours: 67.5 mg/m ³ . Notes: Indicative regulatory limit values (decree of 30-06-2004 modified) TWA 8 hours: 10 ppm. Notes: Indicative regulatory limit values (decree of 30-06-2004 modified)
2-(2-butoxyethoxy)ethanol	Ministry of Labor (France, 6/2024) Absorbed through skin. TWA 8 hours: 50 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) TWA 8 hours: 188 mg/m ³ . Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 375 mg/m ³ . Notes: Binding regulatory limit
1-Methoxy 2-propanol	

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	values (article R. 4412-149 of the Labor Code) STEL 15 minutes: 100 ppm. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)
m-Xylene- α , α' -diamine	Ministry of Labor (France, 6/2024) STEL 15 minutes: 0.1 mg/m ³ . Notes: Permissible limit values (circulars)
 2-(2-butoxyethoxy)ethanol	TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 67 mg/m ³ . PEAK 15 minutes: 100.5 mg/m ³ . TWA 8 hours: 10 ppm. PEAK 15 minutes: 15 ppm. DFG MAC-values list (Germany, 7/2024) Develop C. TWA 8 hours: 67 mg/m ³ . PEAK 15 minutes: 100.5 mg/m ³ 4 times per shift [Interval: 1 hour]. TWA 8 hours: 10 ppm. PEAK 15 minutes: 15 ppm 4 times per shift [Interval: 1 hour].
1-Methoxy 2-propanol	TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 370 mg/m ³ . PEAK 15 minutes: 740 mg/m ³ . TWA 8 hours: 100 ppm. PEAK 15 minutes: 200 ppm. DFG MAC-values list (Germany, 7/2024) Develop C. TWA 8 hours: 100 ppm. PEAK 15 minutes: 200 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 370 mg/m ³ . PEAK 15 minutes: 740 mg/m ³ 4 times per shift [Interval: 1 hour].
3-aminomethyl-3,5,5-trimethylcyclohexylamine	DFG MAC-values list (Germany, 7/2024) Skin sensitiser.
m-Xylene- α , α' -diamine	DFG MAC-values list (Germany, 7/2024) Skin sensitiser.
 2-(2-butoxyethoxy)ethanol	Presidential Decree 307/1986: Occupational exposure limit values (Greece, 8/2024) STEL 15 minutes: 101.2 mg/m ³ . STEL 15 minutes: 15 ppm. TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm. Presidential Decree 307/1986: Occupational exposure limit values (Greece, 8/2024) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 360 mg/m ³ . STEL 15 minutes: 300 ppm. STEL 15 minutes: 1080 mg/m ³ .
1-Methoxy 2-propanol	5/2020. (II. 6.) ITM Decree (Hungary, 1/2025) TWA 8 hours: 67.5 mg/m ³ . PEAK 15 minutes: 101.2 mg/m ³ . PEAK 15 minutes: 15 ppm. TWA 8 hours: 10 ppm.
1-Methoxy 2-propanol	5/2020. (II. 6.) ITM Decree (Hungary, 1/2025) Absorbed through skin. TWA 8 hours: 375 mg/m ³ . PEAK 15 minutes: 568 mg/m ³ . PEAK 15 minutes: 150 ppm. TWA 8 hours: 100 ppm.
 2-(2-butoxyethoxy)ethanol	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2024) STEL 15 minutes: 101.2 mg/m ³ . STEL 15 minutes: 15 ppm. TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm.
1-Methoxy 2-propanol	Ministry of Welfare, List of Exposure Limits (Iceland, 11/2024) Absorbed through skin. STEL 15 minutes: 568 mg/m ³ . STEL 15 minutes: 150 ppm. TWA 8 hours: 185 mg/m ³ .

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m-Xylene- α,α' -diamine	TWA 8 hours: 50 ppm. Ministry of Welfare, List of Exposure Limits (Iceland, 11/2024) Absorbed through skin. STEL 15 minutes: 0.1 mg/m ³ . STEL 15 minutes: 0.02 ppm.
2-(2-butoxyethoxy)ethanol	NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 10 ppm. OELV 15 minutes: 101.2 mg/m ³ . OELV 8 hours: 67.5 mg/m ³ . OELV 15 minutes: 15 ppm.
1-Methoxy 2-propanol	NAOSH (Ireland, 4/2024) Notes: EU derived Occupational Exposure Limit Values OELV 8 hours: 100 ppm. OELV 8 hours: 375 mg/m ³ . OELV 15 minutes: 150 ppm. OELV 15 minutes: 568 mg/m ³ .
m-Xylene- α,α' -diamine	NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV 8 hours: 0.1 mg/m ³ .
Zinc oxide	NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV 8 hours: 2 mg/m ³ . Form: respirable fraction. OELV 15 minutes: 10 mg/m ³ . Form: fume.
2-(2-butoxyethoxy)ethanol	Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 9/2024) Limit value 8 hours: 10 ppm. Limit value 8 hours: 67.5 mg/m ³ . Short Term 15 minutes: 15 ppm. Short Term 15 minutes: 101.2 mg/m ³ .
1-Methoxy 2-propanol	Legislative Decree No. 81/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 9/2024) Absorbed through skin. Limit value 8 hours: 100 ppm. Limit value 8 hours: 375 mg/m ³ . Short Term 15 minutes: 150 ppm. Short Term 15 minutes: 568 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) STEL 15 minutes: 101.2 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 15 ppm. TWA 8 hours: 67.5 mg/m ³ .
1-Methoxy 2-propanol	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) Absorbed through skin. TWA 8 hours: 100 ppm. STEL 15 minutes: 568 mg/m ³ . TWA 8 hours: 375 mg/m ³ . STEL 15 minutes: 150 ppm.
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) [Amīni, alifātiskie] TWA 8 hours: 1 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 101.2 mg/m ³ . STEL 15 minutes: 15 ppm.
1-Methoxy 2-propanol	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) Absorbed through skin. TWA 8 hours: 190 mg/m ³ . TWA 8 hours: 50 ppm. STEL 15 minutes: 300 mg/m ³ . STEL 15 minutes: 75 ppm.

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Zinc oxide	Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 5 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021) STEL 15 minutes: 15 ppm. STEL 15 minutes: 101.2 mg/m ³ . TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m ³ .
1-Methoxy 2-propanol	Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m ³ .
2-(2-butoxyethoxy)ethanol	EU OEL (Europe, 1/2022) TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 101.2 mg/m ³ . STEL 15 minutes: 15 ppm.
1-Methoxy 2-propanol	EU OEL (Europe, 1/2022) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 5/2024) Absorbed through skin. TWA 8 hours: 50 mg/m ³ . STEL 15 minutes: 100 mg/m ³ . TWA 8 hours: 7.4 ppm. STEL 15 minutes: 14.8 ppm.
1-Methoxy 2-propanol	Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 5/2024) Absorbed through skin. TWA 8 hours: 375 mg/m ³ . STEL 15 minutes: 563 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 150 ppm.
2-(2-butoxyethoxy)ethanol	FOR-2011-12-06-1358 (Norway, 5/2024) TWA 8 hours: 10 ppm. TWA 8 hours: 68 mg/m ³ .
1-Methoxy 2-propanol	FOR-2011-12-06-1358 (Norway, 5/2024) Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 180 mg/m ³ .
m-Xylene- α , α' -diamine	FOR-2011-12-06-1358 (Norway, 5/2024) CEIL: 0.1 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 7/2024) TWA 8 hours: 67 mg/m ³ . STEL 15 minutes: 100 mg/m ³ .
1-Methoxy 2-propanol	Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 7/2024) Absorbed through skin. TWA 8 hours: 180 mg/m ³ . STEL 15 minutes: 360 mg/m ³ .

SECTION 8: Exposure controls/personal protection

2-(2-butoxyethoxy)ethanol	Portuguese Institute of Quality (Portugal, 11/2014) TWA 8 hours: 10 ppm. Form: Inhalable fraction and vapor. Decree-Law 24/2012 - Occupational exposure limits for chemical agents (Portugal, 6/2021) STEL 15 minutes: 15 ppm. STEL 15 minutes: 101.2 mg/m ³ . TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m ³ .
1-Methoxy 2-propanol	Portuguese Institute of Quality (Portugal, 11/2014) A4. TWA 8 hours: 50 ppm. STEL 15 minutes: 100 ppm. Decree-Law 24/2012 - Occupational exposure limits for chemical agents (Portugal, 6/2021) STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m ³ . TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m ³ .
m-Xylene- α,α' -diamine	Portuguese Institute of Quality (Portugal, 11/2014) Absorbed through skin. CEIL: 0.1 mg/m ³ .
2-(2-butoxyethoxy)ethanol	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) VLA 8 hours: 67.5 mg/m ³ . Short term 15 minutes: 101.2 mg/m ³ . Short term 15 minutes: 15 ppm. VLA 8 hours: 10 ppm.
1-Methoxy 2-propanol	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024) Absorbed through skin. VLA 8 hours: 375 mg/m ³ . VLA 8 hours: 100 ppm. Short term 15 minutes: 568 mg/m ³ . Short term 15 minutes: 150 ppm.
2-(2-butoxyethoxy)ethanol	Government regulation SR c. 355/2006 (Slovakia, 6/2024) Inhalation sensitiser. TWA 8 hours: 67.5 mg/m ³ . STEL 15 minutes: 101.2 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 15 ppm.
1-Methoxy 2-propanol	Government regulation SR c. 355/2006 (Slovakia, 6/2024) Absorbed through skin , Inhalation sensitiser. TWA 8 hours: 375 mg/m ³ . TWA 8 hours: 100 ppm. STEL 15 minutes: 568 mg/m ³ . STEL 15 minutes: 150 ppm.
2-(2-butoxyethoxy)ethanol	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm. KTV 15 minutes: 101.2 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 15 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].
1-Methoxy 2-propanol	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) Absorbed through skin. TWA 8 hours: 375 mg/m ³ . TWA 8 hours: 100 ppm. KTV 15 minutes: 568 mg/m ³ 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes]. KTV 15 minutes: 150 ppm 4 times per shift [time between two exposure events at this concentration must be at least 60 minutes].

SECTION 8: Exposure controls/personal protection

2-(2-butoxyethoxy)ethanol	National institute of occupational safety and health (Spain, 1/2024) TWA 8 hours: 67.5 mg/m ³ . TWA 8 hours: 10 ppm. STEL 15 minutes: 15 ppm. STEL 15 minutes: 101.2 mg/m ³ .
1-Methoxy 2-propanol	National institute of occupational safety and health (Spain, 1/2024) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m ³ .
2-(2-butoxyethoxy)ethanol	Work environment authority Regulation 2018:1 (Sweden, 11/2022) TWA 8 hours: 10 ppm. TWA 8 hours: 68 mg/m ³ . STEL 15 minutes: 15 ppm. STEL 15 minutes: 101 mg/m ³ .
1-Methoxy 2-propanol	Work environment authority Regulation 2018:1 (Sweden, 11/2022) Absorbed through skin. STEL 15 minutes: 150 ppm. STEL 15 minutes: 568 mg/m ³ . TWA 8 hours: 190 mg/m ³ . TWA 8 hours: 50 ppm.
Zinc oxide	Work environment authority Regulation 2018:1 (Sweden, 11/2022) TWA 8 hours: 5 mg/m ³ . Form: Total dust.
2-(2-butoxyethoxy)ethanol	SUVA (Switzerland, 1/2025) TWA 8 hours: 67 mg/m ³ . Form: vapour and aerosols. STEL 15 minutes: 101 mg/m ³ . Form: vapour and aerosols. STEL 15 minutes: 15 ppm. Form: vapour and aerosols. TWA 8 hours: 10 ppm. Form: vapour and aerosols.
1-Methoxy 2-propanol	SUVA (Switzerland, 1/2025) TWA 8 hours: 100 ppm. TWA 8 hours: 360 mg/m ³ . STEL 15 minutes: 200 ppm. STEL 15 minutes: 720 mg/m ³ .
m-Xylene- α , α' -diamine	SUVA (Switzerland, 1/2025) Absorbed through skin , Sensitiser. TWA 8 hours: 0.1 mg/m ³ .
2-(2-butoxyethoxy)ethanol	EH40/2005 WELs (United Kingdom (UK), 1/2020) TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m ³ . STEL 15 minutes: 15 ppm. STEL 15 minutes: 101.2 mg/m ³ .
1-Methoxy 2-propanol	EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 560 mg/m ³ . STEL 15 minutes: 150 ppm. TWA 8 hours: 375 mg/m ³ . TWA 8 hours: 100 ppm.

Biological exposure indices

Product/ingredient name	Exposure indices
No exposure indices known.	

SECTION 8: Exposure controls/personal protection

No exposure indices known.	
1-Methoxy 2-propanol	<p>DFG BEI-values list (Germany, 7/2024) BEI: 15 mg/l, propylene glycol 1-methyl ether [in urine]. Sampling time: end of exposure or end of shift.</p> <p>TRGS 903 - BEI Values (Germany, 10/2024) BEI: 15 mg/l, 1-methoxypropan-2-ol [in urine]. Sampling time: end of exposure or end of shift.</p>
No exposure indices known.	
1-Methoxy 2-propanol	<p>Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) BAT: 15 mg/l, 1-methoxypropan-2-ol [in urine]. Sampling time: at the end of the work shift.</p>
No exposure indices known.	
No exposure indices known.	
1-Methoxy 2-propanol	<p>SUVA (Switzerland, 1/2025) BEI: 20 mg/l, 1-methoxypropan-2-ol [in urine]. Sampling time: immediately after exposure or after working hours.</p> <p>BEI: 221.9 µmol/l, 1-methoxypropan-2-ol [in urine]. Sampling time: immediately after exposure or after working hours.</p>
No exposure indices known.	

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name

Result

Date of issue/Date of revision

: 26/01/2026

Date of previous issue

: 17/10/2022

Version : 7 13/28

TEKNOPOX AQUA PRIMER 3 - All variants

Label No : 40568

SECTION 8: Exposure controls/personal protection

2-(2-butoxyethoxy)ethanol

DNEL - General population - Long term - Oral

6.25 mg/kg bw/day

Effects: Systemic

DNEL - Workers - Long term - Inhalation

67.5 mg/m³

Effects: Local

DNEL - Workers - Short term - Inhalation

101.2 mg/m³

Effects: Local

1-Methoxy 2-propanol

DNEL - General population - Long term - Oral

33 mg/kg bw/day

Effects: Systemic

DNEL - General population - Long term - Inhalation

43.9 mg/m³

Effects: Systemic

DNEL - General population - Long term - Dermal

78 mg/kg bw/day

Effects: Systemic

DNEL - Workers - Long term - Dermal

183 mg/kg bw/day

Effects: Systemic

DNEL - Workers - Long term - Inhalation

369 mg/m³

Effects: Systemic

DNEL - Workers - Short term - Inhalation

553.5 mg/m³

Effects: Local

DNEL - Workers - Short term - Inhalation

553.5 mg/m³

Effects: Systemic

3-aminomethyl-
3,5,5-trimethylcyclohexylamine

DNEL - Workers - Short term - Inhalation

0.073 mg/m³

Effects: Local

DNEL - Workers - Long term - Inhalation

0.073 mg/m³

Effects: Local

DNEL - General population - Long term - Oral

0.3 mg/kg bw/day

Effects: Systemic

DNEL - General population - Short term - Oral

0.3 mg/kg bw/day

Effects: Systemic

m-Xylene- α , α' -diamine

DNEL - Workers - Long term - Inhalation

0.2 mg/m³

Effects: Local

DNEL - Workers - Long term - Dermal

0.33 mg/kg bw/day

Effects: Systemic

DNEL - Workers - Long term - Inhalation

SECTION 8: Exposure controls/personal protection

1.2 mg/m³

Effects: Systemic

2,4,7,9-tetramethyl-5-decyne-4,7-diol

DNEL - General population - Long term - Oral

0.29 mg/kg bw/day

Effects: Systemic

DNEL - General population - Long term - Dermal

0.29 mg/kg bw/day

Effects: Systemic

DNEL - General population - Long term - Inhalation

0.505 mg/m³

Effects: Systemic

DNEL - Workers - Long term - Dermal

0.812 mg/kg bw/day

Effects: Systemic

DNEL - Workers - Long term - Inhalation

2.86 mg/m³

Effects: Systemic

PNECs

Not available.

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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: safety glasses with side-shields.

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.
> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm
Not recommended polyvinyl alcohol (PVA) gloves

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.

SECTION 8: Exposure controls/personal protection

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 : Various

Odour : Slight

Odour threshold : Not available.

Melting point/freezing point : Not available.

Initial boiling point and boiling range :

Ingredient name	°C	°F	Method
Water	100	212	
1-Methoxy 2-propanol	120.17	248.3	OECD 103

Flammability : Not available.

Lower and upper explosion limit : Lower: 0.8% (2-(2-butoxyethoxy)ethanol)
Upper: 9.4% (2-(2-butoxyethoxy)ethanol)

Flash point : Closed cup: >100°C (>212°F)

Auto-ignition temperature :

Ingredient name	°C	°F	Method
(2-butoxyethoxy)ethanol	210	410	DIN 51794
1-Methoxy 2-propanol	270	518	

Decomposition temperature : Not available.

pH : 7 to 11 [Conc. (% w/w): 100%]

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
Water	17.5	2.3				
1-Methoxy 2-propanol	8.5	1.1				

Relative density : Not available.

Density : 1.4 g/cm³

Vapour density : Not available.

Particle characteristics

SECTION 9: Physical and chemical properties

Median particle size : Not applicable.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties : Not available.

Oxidising properties : Not available.

9.2.2 Other safety characteristics

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

2-(2-butoxyethoxy)ethanol

Result

Rabbit - Dermal - LD50
2700 mg/kg

Rat - Oral - LD50

4500 mg/kg
Toxic effects: Behavioral - Tetany Lung, Thorax, or Respiration - Dyspnea Liver - Other changes

1-Methoxy 2-propanol

Rabbit - Dermal - LD50
13 g/kg

Rat - Oral - LD50

6600 mg/kg
Toxic effects: Brain and Coverings - Other degenerative changes Behavioral - General anesthetic Lung, Thorax, or Respiration - Dyspnea

m-Xylene- α , α' -diamine

Rat - Oral - LD50
930 mg/kg

Rabbit - Dermal - LD50

2 g/kg

Rat - Inhalation - LC50 Gas.

700 ppm [1 hours]
Toxic effects: Eye - Lacrimation Lung, Thorax, or Respiration - Respiratory depression

Conclusion/Summary [Product] : Not available.

SECTION 11: Toxicological information

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
2-(2-butoxyethoxy)ethanol	4500	2700	N/A	N/A	N/A
1-Methoxy 2-propanol	6600	13000	N/A	N/A	N/A
3-aminomethyl-3,5,5-trimethylcyclohexylamine	1030	N/A	N/A	N/A	N/A
m-Xylene- α , α' -diamine	930	N/A	4500	N/A	N/A

Skin corrosion/irritation

Product/ingredient name

1-Methoxy 2-propanol

Result

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

m-Xylene- α , α' -diamine

Rabbit - Skin - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 750 ug

Zinc oxide

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

2,4,7,9-tetramethyl-5-decyne-4,7-diol

Rabbit - Skin - Mild irritant

Amount/concentration applied: 0.5 gm

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name

2-(2-butoxyethoxy)ethanol

Result

Rabbit - Eyes - Moderate irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 20 mg

1-Methoxy 2-propanol

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 20 mg

m-Xylene- α , α' -diamine

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Zinc oxide

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 50 ug

2,4,7,9-tetramethyl-5-decyne-4,7-diol

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 0.1 MI

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

SECTION 11: Toxicological information

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

1-Methoxy 2-propanol

Result

STOT SE 3, H336 (Narcotic effects)

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : 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 : No specific data.

Inhalation : No specific data.

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.

SECTION 11: Toxicological information

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : 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.

Conclusion/Summary [Product] : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

Z-(2-butoxyethoxy)ethanol

Result

Acute - LC50 - Fresh water

Fish - Bluegill - *Lepomis macrochirus*

Size: 33 to 75 mm

1300000 µg/l [96 hours]

Effect: Mortality

Trizinc bis(orthophosphate)

Acute - EC50

Crustaceans - *Ceriodaphnia dubia*

0.96 mg/l [48 hours]

Acute - EC50

Algae - *Selenastrum capricornutum*

0.32 mg/l [72 hours]

Zinc oxide

Acute - LC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* - Neonate

Age: <24 hours

98 µg/l [48 hours]

Effect: Mortality

Acute - IC50 - Fresh water

Algae - Green algae - *Pseudokirchneriella subcapitata* -

Exponential growth phase

46 µg/l [72 hours]

Effect: Population

Acute - LC50 - Fresh water

US EPA

Fish - Rainbow trout, donaldson trout - *Oncorhynchus mykiss*

Weight: 0.78 g

1.1 ppm [96 hours]

Effect: Mortality

2,4,7,9-tetramethyl-5-decyne-4,7-diol

LC50

Fish - *Cyprinus carpio*

SECTION 12: Ecological information

42 mg/l [96 hours]

EC50

Daphnia - *Daphnia magna*
91 mg/l [48 hours]

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-(2-butoxyethoxy)ethanol	1	-	Low
1-Methoxy 2-propanol	<1	-	Low
Trizinc bis(orthophosphate)	-	60960	High
3-aminomethyl-	0.99	-	Low
3,5,5-trimethylcyclohexylamine			
m-Xylene- α , α' -diamine	0.18	2.69	Low
Zinc oxide	-	28960	High

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logK _{oc}	K _{oc}
2-(2-butoxyethoxy)ethanol	1.6	36.5981
1-Methoxy 2-propanol	1	10.447
3-aminomethyl-	2	98.3852
3,5,5-trimethylcyclohexylamine		
m-Xylene- α , α' -diamine	1.7	46.5812
2,4,7,9-tetramethyl-5-decyne-4,7-diol	1.9	83.8929

Results of PMT and vPvM assessment

Product/ingredient name	PMT	P	M	T	vPvM	vP	vM
Aliphatic polyamine	No	No	No	No	No	No	No
2-(2-butoxyethoxy)ethanol	No	No	No	No	No	No	No
1-Methoxy 2-propanol	No	No	No	No	No	No	No
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
3-aminomethyl-	No	No	No	No	No	No	No
3,5,5-trimethylcyclohexylamine							
m-Xylene- α , α' -diamine	No	No	No	No	No	No	No
Zinc oxide	No	No	No	No	No	No	No
2,4,7,9-tetramethyl-5-decyne-4,7-diol	No	No	No	No	No	No	No

Mobility : Not available.

Conclusion/Summary : The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment

Regulation (EC) No. 1907/2006 [REACH]

SECTION 12: Ecological information

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Aliphatic polyamine	No	N/A	N/A	No	N/A	N/A	N/A
2-(2-butoxyethoxy)ethanol	No	N/A	N/A	No	N/A	N/A	N/A
1-Methoxy 2-propanol	No	N/A	N/A	No	N/A	N/A	N/A
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
3-aminomethyl-	No	N/A	N/A	No	N/A	N/A	N/A
3,5,5-trimethylcyclohexylamine							
m-Xylene- α , α' -diamine	No	N/A	No	No	No	N/A	No
Zinc oxide	No	No	No	No	No	No	No
2,4,7,9-tetramethyl-5-decyne-4,7-diol	No	N/A	N/A	No	N/A	N/A	N/A

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

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Aliphatic polyamine	No	No	No	No	No	No	No
2-(2-butoxyethoxy)ethanol	No	No	No	No	No	No	No
1-Methoxy 2-propanol	No	No	No	No	No	No	No
Trizinc bis(orthophosphate)	No	No	No	No	No	No	No
3-aminomethyl-	No	No	No	No	No	No	No
3,5,5-trimethylcyclohexylamine							
m-Xylene- α , α' -diamine	No	No	No	No	No	No	No
Zinc oxide	No	No	No	No	No	No	No
2,4,7,9-tetramethyl-5-decyne-4,7-diol	No	No	No	No	No	No	No

Conclusion/Summary

Regulation (EC) No. 1272/2008 [CLP] : The product does not meet the criteria to be considered as a PBT or vPvB.

12.6 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product]

: The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

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

: The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC)

: 080111*, 200127*

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.

SECTION 13: Disposal considerations

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 spilt 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	UN3082	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aliphatic polyamine)
14.3 Transport hazard class(es)	9  	9  	9  	9  
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes.

Additional information

ADR/RID

- : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Tunnel code (-)

ADN

- : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG

- : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA

- : This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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.

SECTION 15: Regulatory information

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

Product/ingredient name	%	Designation [Usage]
TEKNOPOX AQUA PRIMER 3 2-(2-butoxyethoxy)ethanol	≥90 ≤3	3 55 [Consumer paint]

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 (EU 2024/590)

Not listed.

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

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

E2

National regulations

Austria

Limitation of the use of organic solvents : Permitted.

Belgium

Czech Republic

Storage code :

Denmark

Fire class : W-1

Executive Order No. 1795/2015

Ingredient name	Annex I Section A	Annex I Section B
Titanium dioxide	Listed	-

MAL-code : 5-5

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.

SECTION 15: Regulatory information

 MAL-code: 5-5

Application: When using scraper or knife, brush, roller etc. for pre- and post-treatments in a spray booth where the operator is outside the spray zone and when working in similar new* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone. When spraying in new* booths and cabins with non-atomizing guns.

- Protective clothing 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. When spraying in existing* spray booths, if the operator is outside the spray zone. 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. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin. 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.

- Air-supplied full mask and protective clothing must be worn.

When spraying in new* booths if the operator is outside the spray zone.

- Air-supplied full mask 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, protective clothing 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

[Carcinogenic waste](#)

: Waste containers must be labeled: Contains a substance or substances regulated by Danish working environment legislation on cancer risks.

[Finland](#)

[France](#)

[Social Security Code, Articles L 461-1 to L 461-7](#)

:  (2-butoxyethoxy)ethanol RG 84
1-Methoxy 2-propanol RG 84
3-aminomethyl-3,5,5-trimethylcyclohexylamine RG 49bis

[Reinforced medical surveillance](#)

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

[Germany](#)

SECTION 15: Regulatory information

Storage class (TRGS 510) : 10

Hazardous incident ordinance

This product is controlled under the Germany Hazardous Incident Ordinance.

Danger criteria

Category	Reference number
E2	1.3.2

Hazard class for water : 2

Technical instruction on air quality control (TA Luft)

Number [Class]	Description	%
5.2.1	Total dust	48.3
5.2.2 [III]	Dusty inorganic substances	0.39
5.2.5	Organic substances	6.2
5.2.5 [I]	Organic substances	4
5.2.10	Soil polluting substances	2.3

Italy

D.Lgs. 152/06 : Not determined.

Netherlands

Ministry of Social Affairs and Employment (SZW) - Carcinogenic substances and processes, mutagenic or reprotoxic substances

Ingredient name	Carcinogen	Mutagen	Reproductive toxicity - Fertility	Reproductive toxicity - Development	Harmful via breastfeeding
mangaanverbindingen	-	-	Fertility 2	Development 2	-

Water Discharge Policy (ABM) : A(2) Toxic for aquatic organisms, may have long-term hazardous effects in aquatic environment. Decontamination effort: A

Norway

Sweden

Switzerland

VOC content : VOC (w/w): 3.8%

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

Classification	Justification
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
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. 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. 3	FLAMMABLE LIQUIDS - Category 3
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

Date of issue/ Date of revision : 26/01/2026

All variants

Date of previous issue : 17/10/2022

Version : 7

TEKNOPOX AQUA PRIMER 3

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.

Date of issue/Date of revision

: 26/01/2026

Date of previous issue

: 17/10/2022

Version : 7 **27/28**

TEKNOPOX AQUA PRIMER 3 - All variants

Label No : 140568

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TEKNOPOX AQUA PRIMER 3 - All variants				Label No :	140568