

# SAFETY DATA SHEET



MINOTOP AQUA 6760-10 - FARBLOS-INCOLORE-COLOURLESS

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

### 1.1 Product identifier

**Product name** : MINOTOP AQUA 6760-10 - FARBLOS-INCOLORE-COLOURLESS

### 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]

Aquatic Chronic 3, H412

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

**Signal word** : No signal word.

**Hazard statements** : H412 - Harmful to aquatic life with long lasting effects.

#### Precautionary statements

**Prevention** : P273 - Avoid release to the environment.

**Response** : Not applicable.

**Storage** : Not applicable.

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

**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

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## SECTION 2: Hazards identification

**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
Dipropyleneglycolmethylether	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤3	Not classified.	-	[2]
Solvent naphtha (petroleum), light aromatic	REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4	≤3	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	-	[1]
3-Butoxypropan-2-ol	REACH #: 01-2119475527-28 EC: 225-878-4 CAS: 5131-66-8 Index: 603-052-00-8	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
Reaction mass of mixed (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphates, ammonium salt	REACH #: 01-2119436357-36 EC: 700-161-3	<0.1	Acute Tox. 1, H330 STOT RE 2, H373 (oral) Aquatic Chronic 1, H410 <b>See Section 16 for the full text of the H statements declared above.</b>	ATE [Inhalation (vapours)] = 0.05 mg/l M [Chronic] = 10	[1]

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. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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## SECTION 4: First aid measures

### 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	: No specific data.
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 harmful 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

### 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. 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.
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### 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). Do not ingest. Avoid contact with eyes, skin and clothing. 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.

### 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
Dipropyleneglycolmethylether	<b>Regulation on Limit Values - MAC (Austria, 4/2021). [Dipropylene glycol monomethyl ethers (mixture of isomers)] Absorbed through skin.</b> TWA: 50 ppm 8 hours. TWA: 307 mg/m <sup>3</sup> 8 hours. CEIL: 100 ppm, 8 times per shift, 5 minutes. CEIL: 614 mg/m <sup>3</sup> , 8 times per shift, 5 minutes.

## SECTION 8: Exposure controls/personal protection

Dipropyleneglycolmethylether	<b>Limit values (Belgium, 5/2021).</b> [Dipropyleenglycolmonomethylether] Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 308 mg/m <sup>3</sup> 8 hours.
Dipropyleneglycolmethylether	<b>Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003. (Bulgaria, 6/2021).</b> [2-(Methoxymethyletoxy)propanol] Absorbed through skin. Limit value 8 hours: 308 mg/m <sup>3</sup> 8 hours. Limit value 8 hours: 50 ppm 8 hours.
Dipropyleneglycolmethylether	<b>Ministry of Economy, Labour and Entrepreneurship ELV/ STELV (Croatia, 1/2021).</b> [(2-methoxymethylethoxy)-propanol] Absorbed through skin. ELV: 308 mg/m <sup>3</sup> 8 hours. ELV: 50 ppm 8 hours.
Solvent naphtha (petroleum), light aromatic	<b>Ministry of Economy, Labour and Entrepreneurship ELV/ STELV (Croatia).</b> ELV: 100 ppm ELV: 400 mg/m <sup>3</sup>
Dipropyleneglycolmethylether	<b>Department of labour inspection (Cyprus, 7/2021).</b> Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 308 mg/m <sup>3</sup> 8 hours.
Dipropyleneglycolmethylether	<b>Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 10/2022).</b> [(2-methoxymethylethoxy)-propanol (mixture of isomers)] Absorbed through skin. TWA: 270 mg/m <sup>3</sup> 8 hours. TWA: 43.74 ppm 8 hours. STEL: 550 mg/m <sup>3</sup> 15 minutes. STEL: 89.1 ppm 15 minutes.
Solvent naphtha (petroleum), light aromatic	<b>Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 10/2022).</b> [Nafta solvents] TWA: 200 mg/m <sup>3</sup> 8 hours. STEL: 1000 mg/m <sup>3</sup> 15 minutes.
3-Butoxypropan-2-ol	<b>Government regulation of Czech Republic PEL/NPK-P (Czech Republic, 10/2022).</b> Absorbed through skin. STEL: 550 mg/m <sup>3</sup> 15 minutes. TWA: 270 mg/m <sup>3</sup> 8 hours. TWA: 49.14 ppm 8 hours. STEL: 100.1 ppm 15 minutes.
Dipropyleneglycolmethylether	<b>Working Environment Authority (Denmark, 6/2022).</b> [Dipropylenglycolmethylether] Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 309 mg/m <sup>3</sup> 8 hours. STEL: 618 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes.
Dipropyleneglycolmethylether	<b>Occupational exposure limits, Regulation No. 293 (Estonia, 12/2022).</b> [Dipropylene glycol monomethyl ether] Absorbed through skin. TWA: 308 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
Dipropyleneglycolmethylether	<b>EU OEL (Europe, 1/2022).</b> [(2-Methoxymethylethoxy)-propanol] Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 50 ppm 8 hours. TWA: 308 mg/m <sup>3</sup> 8 hours.
Dipropyleneglycolmethylether	<b>Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2021).</b> [(2-Methoxymethylethoxy)propanol] Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 310 mg/m <sup>3</sup> 8 hours.
Solvent naphtha (petroleum), light aromatic	<b>Institute of Occupational Health, Ministry of Social Affairs (Finland, 10/2020).</b>

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Dipropyleneglycolmethylether	<p>TWA: 100 mg/m<sup>3</sup> 8 hours.</p> <p><b>Ministry of Labor (France, 10/2022). [(2-methoxymethylethoxy)-propanol] Absorbed through skin. Notes: Binding regulatory limit values (article R. 4412-149 of the Labor Code)</b></p> <p>TWA: 50 ppm 8 hours.</p>
Solvent naphtha (petroleum), light aromatic	<p>TWA: 308 mg/m<sup>3</sup> 8 hours.</p> <p><b>Ministry of Labor (France, 10/2022). [hydrocarbons C6-C12] Notes: Permissible limit values (circulars)</b></p> <p>TWA: 1000 mg/m<sup>3</sup> 8 hours. Form: Vapour</p> <p>STEL: 1500 mg/m<sup>3</sup> 15 minutes. Form: Vapour</p>
Dipropyleneglycolmethylether	<p><b>TRGS 900 OEL (Germany, 6/2022). [(2-Methoxymethylethoxy)propanol]</b></p> <p>TWA: 310 mg/m<sup>3</sup> 8 hours.</p> <p>PEAK: 310 mg/m<sup>3</sup> 15 minutes.</p> <p>TWA: 50 ppm 8 hours.</p> <p>PEAK: 50 ppm 15 minutes.</p> <p><b>DFG MAC-values list (Germany, 7/2022). [Dipropylene glycol monomethyl ether (mixture of isomers)]</b></p> <p>TWA: 50 ppm 8 hours.</p> <p>PEAK: 50 ppm, 4 times per shift, 15 minutes.</p> <p>TWA: 310 mg/m<sup>3</sup> 8 hours.</p> <p>PEAK: 310 mg/m<sup>3</sup>, 4 times per shift, 15 minutes.</p>
Dipropyleneglycolmethylether	<p><b>Presidential Decree 307/1986: Occupational exposure limit values (Greece, 9/2021). [(2-Methoxymethylethoxy)propanol] Absorbed through skin.</b></p> <p>TWA: 100 ppm 8 hours.</p> <p>TWA: 600 mg/m<sup>3</sup> 8 hours.</p> <p>STEL: 150 ppm 15 minutes.</p> <p>STEL: 900 mg/m<sup>3</sup> 15 minutes.</p>
Dipropyleneglycolmethylether	<p><b>5/2020. (II. 6.) ITM Decree (Hungary, 12/2022). [Dipropylene glycol monomethyl ether]</b></p> <p>TWA: 308 mg/m<sup>3</sup> 8 hours.</p> <p>TWA: 50 ppm 8 hours.</p>
Dipropyleneglycolmethylether	<p><b>Ministry of Welfare, List of Exposure Limits (Iceland, 5/2021). [dipropylene glycol methyl ether] Absorbed through skin.</b></p> <p>TWA: 300 mg/m<sup>3</sup> 8 hours.</p> <p>TWA: 50 ppm 8 hours.</p>
Dipropyleneglycolmethylether	<p><b>NAOSH (Ireland, 5/2021). [(2-methoxymethylethoxy)-1-propanol] Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values</b></p> <p>OELV-8hr: 50 ppm 8 hours.</p> <p>OELV-8hr: 308 mg/m<sup>3</sup> 8 hours.</p>
Dipropyleneglycolmethylether	<p><b>Legislative Decree No. 819/2008. Title IX. Protection from chemical agents, carcinogens and mutagens (Italy, 6/2020). Absorbed through skin.</b></p> <p>8 hours: 50 ppm 8 hours.</p> <p>8 hours: 308 mg/m<sup>3</sup> 8 hours.</p>
Dipropyleneglycolmethylether	<p><b>Ministers Cabinet Regulations Nr.325 - AER (Latvia, 2/2021). [Methoxy propoxy propanols] Absorbed through skin.</b></p> <p>TWA: 50 ppm 8 hours.</p> <p>TWA: 308 mg/m<sup>3</sup> 8 hours.</p>
Dipropyleneglycolmethylether	<p><b>Lithuanian Hygiene Standard HN 23 (Lithuania, 7/2022). Absorbed through skin.</b></p> <p>TWA: 308 mg/m<sup>3</sup> 8 hours.</p> <p>TWA: 50 ppm 8 hours.</p> <p>STEL: 450 mg/m<sup>3</sup> 15 minutes.</p> <p>STEL: 75 ppm 15 minutes.</p>
Dipropyleneglycolmethylether	<p><b>Grand-Duchy Regulation 2016. Chemical agents. Annex I (Luxembourg, 3/2021). [(2-methoxymethylethoxy)-propanol] Absorbed through skin.</b></p> <p>TWA: 50 ppm 8 hours.</p> <p>TWA: 308 mg/m<sup>3</sup> 8 hours.</p>

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Dipropyleneglycolmethylether	<b>EU OEL (Europe, 1/2022). [(2-Methoxymethylethoxy)-propanol] Absorbed through skin. Notes: list of indicative occupational exposure limit values</b> TWA: 50 ppm 8 hours. TWA: 308 mg/m <sup>3</sup> 8 hours.
Dipropyleneglycolmethylether	<b>Ministry of Social Affairs and Employment, Legal limit values (Netherlands, 12/2022). [dipropylene glycolmethylether]</b> OEL, 8-h TWA: 300 mg/m <sup>3</sup> 8 hours. OEL, 8-h TWA: 48.7 ppm 8 hours.
Dipropyleneglycolmethylether	<b>FOR-2011-12-06-1358 (Norway, 12/2022). [Dipropylene glycol methyl ether] Absorbed through skin. Notes: indicative limit value</b> TWA: 50 ppm 8 hours. TWA: 300 mg/m <sup>3</sup> 8 hours.
Dipropyleneglycolmethylether	<b>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). [dipropylene glycol methyl ether] Absorbed through skin.</b> TWA: 240 mg/m <sup>3</sup> 8 hours. STEL: 480 mg/m <sup>3</sup> 15 minutes.
Dipropyleneglycolmethylether	<b>Portuguese Institute of Quality (Portugal, 11/2014). [2-Metoximetiletoxipropanol] Absorbed through skin.</b> TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes.
Dipropyleneglycolmethylether	<b>HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). Absorbed through skin.</b> VLA: 308 mg/m <sup>3</sup> 8 hours. VLA: 50 ppm 8 hours.
Solvent naphtha (petroleum), light aromatic	<b>HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2021). [Solvent naphtha] Absorbed through skin.</b> VLA: 100 mg/m <sup>3</sup> 8 hours. Short term: 200 mg/m <sup>3</sup> 15 minutes.
Dipropyleneglycolmethylether	<b>Government regulation SR c. 355/2006 (Slovakia, 9/2020). [2-methoxymetyl-ethoxypropanol] Absorbed through skin.</b> TWA: 308 mg/m <sup>3</sup> , (2-methoxymetyl-ethoxypropanol) 8 hours. TWA: 50 ppm, (2-methoxymetyl-ethoxypropanol) 8 hours.
Dipropyleneglycolmethylether	<b>Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 5/2021). [(2-methoxymethylethoxy)propanol (mixture of isomers)] Absorbed through skin.</b> TWA: 308 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. KTV: 50 ppm, 4 times per shift, 15 minutes. KTV: 308 mg/m <sup>3</sup> , 4 times per shift, 15 minutes.
Dipropyleneglycolmethylether	<b>National institute of occupational safety and health (Spain, 4/2022). [Dipropylene glycol methyl ether] Absorbed through skin.</b> TWA: 50 ppm 8 hours. TWA: 308 mg/m <sup>3</sup> 8 hours.
Dipropyleneglycolmethylether	<b>Work environment authority Regulation 2018:1 (Sweden, 9/2021). [dipropylene glycol monomethyl ether] Absorbed through skin.</b> TWA: 50 ppm 8 hours. TWA: 300 mg/m <sup>3</sup> 8 hours. STEL: 75 ppm 15 minutes. STEL: 450 mg/m <sup>3</sup> 15 minutes.





## SECTION 8: Exposure controls/personal protection

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	Type	Exposure	Value	Population	Effects
Dipropyleneglycolmethylether	DNEL	Long term Oral	36 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	37.2 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	121 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	283 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	308 mg/m <sup>3</sup>	Workers	Systemic
Solvent naphtha (petroleum), light aromatic	DNEL	Long term Inhalation	0.41 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	1.9 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	178.57 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	640 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	837.5 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	1066.67 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	1152 mg/m <sup>3</sup>	General population	Systemic
3-Butoxypropan-2-ol	DNEL	Short term Inhalation	1286.4 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	147 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Oral	12.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	22 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	43 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	52 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	50 %	General population	Local
	DNEL	Long term Dermal	50 %	General population	Local
	DNEL	Short term Dermal	50 %	Workers	Local
	DNEL	Long term Dermal	50 %	Workers	Local

### PNECs

No PNECs available

### 8.2 Exposure controls

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

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## SECTION 8: Exposure controls/personal protection

### 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. 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.

**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	
Solvent naphtha (petroleum), light aromatic	135 to 210	275 to 410	

**Flammability** : Not available.

**Lower and upper explosion limit** : Lower: 1.1%  
Upper: 14%

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## SECTION 9: Physical and chemical properties

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

**Auto-ignition temperature** :

Ingredient name	°C	°F	Method
Dipropyleneglycolmethylether	207	404.6	EU A.15
3-Butoxypropan-2-ol	260	500	EU A.15

**Decomposition temperature** : Not available.

**pH** : 7.5 to 8

**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				
3-Butoxypropan-2-ol	1.05	0.14	OECD 104			

**Relative density** : Not available.

**Density** : 1.1 g/cm<sup>3</sup>

**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
Solvent naphtha (petroleum), light aromatic	LD50 Oral	Rat	8400 mg/kg	-
3-Butoxypropan-2-ol	LD50 Dermal	Rabbit	3100 mg/kg	-

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## SECTION 11: Toxicological information

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

### Acute toxicity estimates

Route	ATE value
Not available.	

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Dipropyleneglycolmethylether	Eyes - Mild irritant	Human	-	8 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
Solvent naphtha (petroleum), light aromatic	Skin - Mild irritant	Rabbit	-	500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 100 uL	-
3-Butoxypropan-2-ol	Skin - Moderate irritant	Rabbit	-	-	-

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

### Sensitisation

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

### 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
Solvent naphtha (petroleum), light aromatic	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Reaction mass of mixed (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphates, ammonium salt	Category 2	oral	-

### Aspiration hazard

Product/ingredient name	Result
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1

**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** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.

## SECTION 11: Toxicological information

<b>Inhalation</b>	: No specific data.
<b>Skin contact</b>	: No specific data.
<b>Ingestion</b>	: No specific data.

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

#### Short term exposure

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

#### Long term exposure

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

#### Potential chronic health effects

Not available.

<b>Conclusion/Summary</b>	: Not available.
<b>General</b>	: No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: 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

Product/ingredient name	Result	Species	Exposure
Solvent naphtha (petroleum), light aromatic	Acute EC50 3.2 mg/l	Daphnia	48 hours
	Acute LC50 9.2 mg/l	Fish	96 hours

**Conclusion/Summary** : Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

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

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Dipropyleneglycolmethylether	0.004	-	Low
Solvent naphtha (petroleum), light aromatic	-	10 to 2500	High
3-Butoxypropan-2-ol	1.2	-	Low

### 12.4 Mobility in soil

<b>Soil/water partition coefficient (K<sub>oc</sub>)</b>	: Not available.
<b>Mobility</b>	: Not available.

### 12.5 Results of PBT and vPvB assessment

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## SECTION 12: Ecological information

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.

**European waste catalogue (EWC)** : 08.01.16

#### 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 spilled 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.	9006	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	-	-
14.3 Transport hazard class(es)	-	9	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	Yes.	No.	No.

### Additional information

**ADN** : The product is only regulated as a dangerous good when transported in tank vessels.

**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.

## SECTION 14: Transport information

**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]
MINOTOP AQUA 6760-10	≥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

**Danish fire class** : IV-1

**MAL-code** : 1-3

## SECTION 15: Regulatory information

**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

<b>Social Security Code,</b>	:	Dipropyleneglycolmethylether	RG 84
<b>Articles L 461-1 to L 461-7</b>	:	Solvent naphtha (petroleum), light aromatic	RG 84
	:	3-Butoxypropan-2-ol	RG 84



## SECTION 15: Regulatory information

**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** : 2

**Technical instruction on air quality control** : TA-Luft Number 5.2.5: 6.6%  
TA-Luft Class I - Number 5.2.5: 0.8%

**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

**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
Solvent naphtha (petroleum), light arom.	Listed	Listed	-	-	-
silica, crystalline (NL-carcinogen specific)	Listed	-	-	-	-

**Water Discharge Policy (ABM)** : Z(1) Non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/ bioaccumulative potential/ toxicity or persistence). Decontamination effort: Z

### Norway

### Sweden

### Switzerland

**VOC content** : VOC (w/w): 5.5%

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

List name	Ingredient name	Status
Schedule III	Triethanolamine	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]

Classification	Justification
Aquatic Chronic 3, H412	Calculation method

### Full text of abbreviated H statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Full text of classifications [CLP/GHS]

Acute Tox. 1	ACUTE TOXICITY - 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
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
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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COLOURLESS

### 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.

