SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and
Regulation (EC) No. 1272/2008

Supercedes date 11-22-2022 **Revision date** 05-05-2025 **Revision Number** 2

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

1.1. Product identifier

Product Name Chromatech Pink

Synonyms None

Mixture. Contains Formaldehyde; Methanol; Hexylene glycol

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

Recommended use Embalming chemical

Uses advised against Use only for intended applications

1.3. Details of the supplier of the safety data sheet

Manufacturer
The MazWell Group Ltd.
Units 11/14-15 Ardglen
Industrial Estate,
Whitchurch, Hampshire,
RG28 7BB, United Kingdom
+44 (0)1256-893883
+44 (0)1256-893868
enquiries@themazwellgroup.com

Supplier
Medenta GmbH
Huckrieden Esch 9,
49549 Ladbergen.
Germany
(05485) 2020
info@medenta.de

For further information, please contact

1.4. Emergency telephone number

Emergency telephone

Emergency telephone - §45 - (EC)1272/2008	
Europe	**112**
Belgium	Belgian Poison Centre: 070 245 245 (French and Dutch)
France	Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59
Germany	Poison Control Center - Charité - Universitätsmedizin Berlin Tel (+49) 30 30686700
Italy	06 68593726 (Roma - CAV "Osp. Pediatric Bambino Gesù" Dip. Emergency and DEA Acceptance) 800183459 (Foggia - Centro antiveleni , Az. Osp. Univ. Foggia)

	081-5453333 (Napoli - Centro antiveleni, Az. Osp. "A. Cardarelli") 06-49978000 (Roma - CAV Policlinico "Umberto I") 06-3054343 (Roma - CAV Policlinico "A. Gemelli") 055-7947819 (Firenze - Centro antiveleni , Az. Osp. "Careggi" U.O. Tossicologia Medica) 0382-24444 (Pavia - Centro antiveleni, Centro Nazionale di Informazione Tossicologica) 02-66101029 (Milano - Centro antiveleni, Osp. Niguarda Ca' Granda) 800883300 (Bergamo - Centro antiveleni, Azienda Ospedaliera Papa Giovanni XXII) 800011858 (Verona - Centro antiveleni, Azienda Ospedaliera Integrata Verona)
Netherlands	+31(0)302748888
Romania	+40 (0)21 318 36 06
Spain	+34 91 562 04 20

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 4 - (H312)
Acute toxicity - Inhalation (Gases)	Category 4 - (H332)
Acute toxicity - Inhalation (Dusts/Mists)	Category 2 - (H330)
Skin irritation	Category 2 - (H315)
Eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Germ cell mutagenicity	Category 2 - (H341)
Carcinogenicity	Category 1B - (H350)
Specific target organ toxicity (single exposure)	Category 2 Category 3 - (H371, H335)
Category 3 Respiratory irritation	

2.2. Label elements

Contains Formaldehyde; Methanol; Hexylene glycol

Signal word
Danger

Hazard statements
H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H330 - Fatal if inhaled.
H332 - Harmful if inhaled.
H341 - Suspected of causing genetic defects.
H350 - May cause cancer.
H335 - May cause respiratory irritation.
H371 - May cause damage to organs.
EUH071 - Corrosive to the respiratory tract.

Precautionary Statements - EU (§28, 1272/2008)
P201 - Obtain special instructions before use.
P260 - Do not breathe dust, fume, gas, mist, vapors and spray.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 - Immediately call a POISON CENTER or doctor.
P320 - Specific treatment is urgent (see supplemental first aid instructions on this label).
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.

Unknown acute toxicity

13.45387 % of the mixture consists of ingredient(s) of unknown acute toxicity.
1.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
1.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
13.45387 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public. Restricted to professional users.

2.3. Other hazards

Other hazards Harmful to aquatic life.

PBT & vPvB None known.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Formaldehyde 50-00-0	10 - < 25	No data available	200-001-8 (605-001-00-5)	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Acute Tox. 2 (H330) Muta. 2 (H341) Carc. 1B (H350) (EUH071)	STOT SE 3 :: C>=5% Skin Corr. 1B :: C>=25% Skin Irrit. 2 :: 5%<=C<25% Eye Irrit. 2 :: 5%<=C<25%	-	-	B,D,F
Methanol 67-56-1	5 - < 10	01-2119433307-44-XXX	200-659-6	Flam. Liq. 2 (H225) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370)	STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10%	-	-	-
Hexylene glycol 107-41-5	1 - < 5	No data available	203-489-0 (603-053-00-3)	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	-	-	-	-
Propylene Glycol 57-55-6	1 - < 5	-	200-338-0	[F]	-	-	-	-

Sodium acetate 127-09-3	< 0.1	No data available	204-823-8	[F]	-	-	-	-
Sodium benzoate 532-32-1	< 0.5	No data available	208-534-8	Eye Irrit. 2 (H319)	-	-	-	-
Sodium hydroxide 1310-73-2	< 0.1	No data available	215-185-5 (011-002-00-6)	Skin Corr. 1A (H314)	Eye Irrit. 2 :: 0.5%<=C<2% Skin Corr. 1A :: C>=5% Skin Corr. 1B :: 2%<=C<5% Skin Irrit. 2 :: 0.5%<=C<2%	-	-	-

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

[F] - Although non-hazardous, the manufacturer chooses to disclose the composition

Note B - Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid … %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note D - Certain substances which are susceptible to spontaneous polymerization or decomposition are generally placed on the market in a stabilized form. It is in this form that they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008. However, such substances are sometimes placed on the market in a non-stabilized form. In this case, the supplier who places such a substance on the market must state on the label the name of the substance followed by the words "non-stabilized".

Note F - This substance may contain a stabilizer. If the stabilizer changes the hazardous properties of the substance, as indicated by the classification in Part 3, classification and labelling should be provided in accordance with the rules for classification and labelling of hazardous mixtures.

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Formaldehyde 50-00-0	500 + 100	300	0.501	No data available	700
Methanol 67-56-1	100	300	0.501	41.6976	No data available
Hexylene glycol 107-41-5	3700	12300	0.0776	No data available	No data available
Propylene Glycol 57-55-6	20000	20800	No data available	No data available	No data available
Sodium acetate 127-09-3	3530	10010	5.6056	No data available	No data available
Sodium benzoate 532-32-1	4070	No data available	No data available	No data available	No data available
Sodium hydroxide 1310-73-2	325	1350	No data available	No data available	No data available

+ This value is the harmonised acute toxicity estimate (ATE) listed in CLP Annex VI, Part 3. This harmonised ATE value must be used when calculating the acute toxicity estimate (ATEmix) for classifying a mixture containing the listed substance

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.

Inhalation Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur. If symptoms persist, call a doctor. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact May cause an allergic skin reaction. If symptoms persist, call a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor or poison control centre immediately.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe vapour or mist. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Coughing and/ or wheezing. Difficulty in breathing. Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

Effects of Exposure May cause cancer. Mutagenic effects. May cause damage to organs if swallowed. May cause damage to organs in contact with skin. May cause damage to organs if inhaled. May cause damage to organs.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitiser. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Do not breathe vapour or mist. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapours or mists.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not breathe vapour or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not breathe vapour or mist. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.
Storage class (TRGS 510)	LGK 6.1A.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Formaldehyde 50-00-0	TWA: 0.37 mg/m³; TWA: 0.62 mg/m³; TWA: 0.3 ppm; TWA: 0.5 ppm; STEL: 0.74 mg/m³; STEL: 0.6 ppm; DS	TWA-TMW: 0.3 ppm; TWA-TMW: 0.37 mg/m³; STEL-KZGW: 0.6 ppm (); STEL-KZGW: 0.74 mg/m³ (); DS	STEL: 0.3 ppm; STEL: 0.38 mg/m³;	TWA: 0.37 mg/m³; TWA: 0.3 ppm; TWA: 0.62 mg/m³; STEL: 0.5 ppm; STEL: 0.74 mg/m³; STEL: 0.6 ppm; DS	TWA-GVI: 0.3 ppm; TWA-GVI: 0.37 mg/m³; TWA-GVI: 0.5 ppm; TWA-GVI: 0.62 mg/m³; STEL-KGVI: 0.6 ppm; STEL-KGVI: 0.74 mg/m³; DS
Methanol 67-56-1	TWA: 200 ppm; TWA: 260 mg/m³; pSk	TWA-TMW: 200 ppm; TWA-TMW: 260 mg/m³; STEL-KZGW: 800 ppm (4 X 15 min); STEL-KZGW: 1040 mg/m³ (4 X 15 min); Sk	TWA: 200 ppm; TWA: 266 mg/m³; STEL: 250 ppm; STEL: 333 mg/m³; Sd	TWA: 200 ppm; TWA: 260.0 mg/m³; Sk	TWA-GVI: 200 ppm; TWA-GVI: 260 mg/m³; Sk
Hexylene glycol 107-41-5	-	TWA-TMW: 10 ppm; TWA-TMW: 49 mg/m³; STEL-KZGW: 10 ppm (); STEL-KZGW: 49 mg/m³ (); Ceiling: 10 ppm; Ceiling: 49 mg/m³;	STEL: 25 ppm; STEL: 123 mg/m³;	-	TWA-GVI: 25 ppm; TWA-GVI: 123 mg/m³; STEL-KGVI: 25 ppm; STEL-KGVI: 123 mg/m³; Sk
Propylene Glycol 57-55-6	-	-	-	-	TWA-GVI: 150 ppm; TWA-GVI: 474 mg/m³; total vapor and particles TWA-GVI: 10 mg/m³; particles
Sodium hydroxide 1310-73-2	-	TWA-TMW: 2 mg/m³; inhalable fraction STEL-KZGW: 4 mg/m³ (8 X 5 min); inhalable fraction	TWA: 2 mg/m³;	TWA: 2.0 mg/m³; alkaline aerosols	STEL-KGVI: 2 mg/m³;

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Formaldehyde 50-00-0	TWA: 0.3 ppm; TWA: 0.37 mg/m³; STEL: 0.74 mg/m³; STEL: 0.6 ppm;	TWA: 0.37 mg/m³; TWA: 0.5 mg/m³; Ceiling: 0.74 mg/m³; pSk S	TWA: 0.3 ppm; TWA: 0.37 mg/m³; STEL: 0.74 mg/m³; STEL: 0.6 ppm;	TWA: 0.3 ppm; TWA: 0.37 mg/m³; TWA: 0.62 mg/m³; TWA: 0.5 ppm; STEL: 0.6 ppm; STEL: 0.74 mg/m³;	TWA: 0.3 ppm; TWA: 0.37 mg/m³; TWA: 0.05 ppm; STEL: 0.6 ppm; STEL: 0.74 mg/m³;

				S	
Methanol 67-56-1	TWA: 200 ppm; TWA: 260 mg/m³; pSk	TWA: 250 mg/m³; Ceiling: 1000 mg/m³; pSk	TWA: 200 ppm; TWA: 260 mg/m³; STEL: 400 ppm; STEL: 520 mg/m³; pSk	TWA: 200 ppm; TWA: 250 mg/m³; STEL: 250 ppm; STEL: 350 mg/m³; Sk	TWA: 200 ppm; TWA: 270 mg/m³; STEL: 250 ppm; STEL: 330 mg/m³; pSk
Hexylene glycol 107-41-5	-	-	Ceiling: 25 ppm; Ceiling: 125 mg/m³;	-	TWA: 25 ppm; TWA: 120 mg/m³; STEL: 40 ppm; STEL: 200 mg/m³;
Sodium hydroxide 1310-73-2	-	TWA: 1 mg/m³; Ceiling: 2 mg/m³;	Ceiling: 2 mg/m³;	TWA: 1 mg/m³; STEL: 2 mg/m³;	Ceiling: 2 mg/m³;
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Formaldehyde 50-00-0	TWA-VME: 0.5 ppm; TWA-VME: 0.62 mg/m³; TWA-VME (restrictif): 0.3 ppm; TWA-VME (restrictif): 0.37 mg/m³; STEL-VLCT (restrictif): 0.6 ppm; STEL-VLCT (restrictif): 0.74 mg/m³;	TWA-AGW; 0.3 ppm (exposure factor 2); TWA-AGW; 0.37 mg/m³ (exposure factor 2); DS	TWA-MAK: 0.3 ppm; I(2); TWA-MAK: 0.37 mg/m³; I(2); Peak: 0.6 ppm; Peak: 0.74 mg/m³; DS	TWA: 0.37 mg/m³; TWA: 0.62 mg/m³; TWA: 0.3 ppm; TWA: 0.5 ppm; STEL: 0.6 ppm; STEL: 0.74 mg/m³; DS	TWA-AK: 0.3 ppm; TWA-AK: 0.37 mg/m³; STEL-CK: 0.6 ppm; STEL-CK: 0.74 mg/m³; pSk S
Methanol 67-56-1	TWA-VME (restrictif): 200 ppm; TWA-VME (restrictif): 260 mg/m³; STEL-VLCT (restrictif): 1000 ppm; STEL-VLCT (restrictif): 1300 mg/m³; dSk	TWA-AGW; 100 ppm (exposure factor 2); TWA-AGW; 130 mg/m³ (exposure factor 2); Sk	TWA-MAK: 100 ppm; II(2); TWA-MAK: 130 mg/m³; II(2); Peak: 200 ppm; Peak: 260 mg/m³; Sk	TWA: 200 ppm; TWA: 260 mg/m³; STEL: 250 ppm; STEL: 325 mg/m³; pSk	TWA-AK: 260 mg/m³; TWA-AK: 200 ppm; pSk
Hexylene glycol 107-41-5	STEL-VLCT: 25 ppm; STEL-VLCT: 125 mg/m³;	-	TWA-MAK: 10 ppm; I(2); TWA-MAK: 49 mg/m³; I(2); Peak: 20 ppm; Peak: 98 mg/m³;	TWA: 25 ppm; TWA: 125 mg/m³; STEL: 25 ppm; STEL: 125 mg/m³;	-
Sodium benzoate 532-32-1	-	TWA-AGW; 10 mg/m³ (exposure factor 2); inhalable fraction Sk	TWA-MAK: 10 mg/m³; II(2);inhalable fraction Peak: 20 mg/m³; inhalable fraction Sk	-	-
Sodium hydroxide 1310-73-2	TWA-VME: 2 mg/m³;	-	-	TWA: 2 mg/m³; STEL: 2 mg/m³;	TWA-AK: 1 mg/m³; STEL-CK: 2 mg/m³;
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Formaldehyde 50-00-0	TWA: 0.3 ppm; TWA: 0.5 ppm; TWA: 0.37 mg/m³; TWA: 0.62 mg/m³; STEL: 0.6 ppm (calculated); STEL: 0.738 mg/m³ (calculated); STEL: 0.62 mg/m³ (for the healthcare, funeral	TWA: 0.37 mg/m³; TWA: 0.3 ppm; STEL: 0.74 mg/m³; STEL: 0.6 mg/m³; pSk	TWA: 0.1 ppm; TWA: 0.12 mg/m³; STEL (REL): 0.3 ppm; STEL (REL): 0.37 mg/m³; DS RS	-	TWA-IPRD: 0.3 ppm; TWA-IPRD: 0.37 mg/m³; TWA-IPRD: 0.62 mg/m³; TWA-IPRD: 0.5 ppm; STEL-TPRD: 0.74 mg/m³; STEL-TPRD: 0.6

	and embalming sectors until July 11, 2024);				ppm; S
Methanol 67-56-1	TWA: 200 ppm; TWA: 260 mg/m³; STEL: 600 ppm (calculated); STEL: 780 mg/m³ (calculated); pSk	TWA: 200 ppm; TWA: 260 mg/m³; pSk	TWA: 200 ppm; TWA: 262 mg/m³; STEL (REL): 250 ppm; STEL (REL): 328 mg/m³; pSk	TWA: 200 ppm; TWA: 260 mg/m³; pSk	TWA-IPRD: 200 ppm; TWA-IPRD: 260 mg/m³; Sk
Hexylene glycol 107-41-5	STEL: 25 ppm; STEL: 125 mg/m³;	-	TWA: 25 ppm; vapor STEL (REL): 50 ppm; vapor STEL (REL): 10 mg/m³; inhalable fraction and aerosol	-	Ceiling (NRD): 25 ppm; Ceiling (NRD): 120 mg/m³;
Propylene Glycol 57-55-6	TWA: 10 mg/m³; particulate TWA: 150 ppm; total vapour and particulates TWA: 470 mg/m³; total vapour and particulates STEL: 1410 mg/m³ (calculated); particulates STEL: 30 mg/m³ (calculated); STEL: 450 ppm (calculated); total vapor and particulates	-	-	TWA: 7 mg/m³;	TWA-IPRD: 7 mg/m³;
Sodium hydroxide 1310-73-2	STEL: 2 mg/m³;	-	Ceiling: 2 mg/m³;	TWA: 0.5 mg/m³;	Ceiling (NRD): 2 mg/m³;
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Formaldehyde 50-00-0	-	-	TWA: 0.12 ppm; TWA: 0.15 mg/m³; STEL: 0.41 ppm; STEL: 0.5 mg/m³;	TWA: 0.37 mg/m³; TWA: 0.3 ppm; STEL: 0.74 mg/m³ (value from the regulation); STEL: 0.6 ppm (value from the regulation); Ceiling: 1 ppm; Ceiling: 1.2 mg/m³; As	TWA-NDS: 0.37 mg/m³; STEL-NDSCh: 0.74 mg/m³; Sk DS
Methanol 67-56-1	TWA: 200 ppm; TWA: 260 mg/m³; pSk	TWA: 200 ppm; TWA: 260 mg/m³; pSk	TWA: 100 ppm; TWA: 133 mg/m³; Sk	TWA: 100 ppm; TWA: 130 mg/m³; STEL: 150 ppm (value calculated); STEL: 162.5 mg/m³ (value calculated); Sk	TWA-NDS: 100 mg/m³; STEL-NDSCh: 300 mg/m³; Prohibited - substances or mixtures containing Methanol in weight concentration >3%;except fuels used in the model building, powerboating, fuel

					cells and biofuels Sk
Hexylene glycol 107-41-5	-	-	-	Ceiling: 20 ppm; Ceiling: 100 mg/m³;	TWA-NDS: 50 mg/m³; vapor and inhalable fraction STEL-NDSCh: 100 mg/m³; vapor and inhalable fraction
Propylene Glycol 57-55-6	-	-	-	TWA: 25 ppm; TWA: 79 mg/m³; STEL: 37.5 ppm (value calculated); STEL: 118.5 mg/m³ (value calculated);	TWA-NDS: 100 mg/m³; vapor and inhalable fraction
Sodium hydroxide 1310-73-2	-	-	-	Ceiling: 2 mg/m³;	TWA-NDS: 0.5 mg/m³; STEL-NDSCh: 1 mg/m³;

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Formaldehyde 50-00-0	TWA (VLE-MP): 0.3 ppm; TWA (VLE-MP): 0.37 mg/m³; STEL (VLE-CD): 0.6 ppm; STEL (VLE-CD): 0.74 mg/m³; Ceiling (VLE-CM): 0.3 ppm; DS	TWA: 0.37 mg/m³; TWA: 0.3 ppm; STEL: 0.6 ppm; STEL: 0.74 mg/m³; Sk	TWA: 0.3 ppm; TWA: 0.37 mg/m³; STEL: 0.6 ppm; STEL: 0.74 mg/m³; Ceiling: 0.74 mg/m³; S	TWA: 0.62 mg/m³; TWA: 0.5 ppm; TWA: 0.37 mg/m³; TWA: 0.3 ppm; STEL: 0.6 ppm; STEL: 0.74 mg/m³; pSk	TWA-(VLA-ED): 0.3 ppm; TWA-(VLA-ED): 0.37 mg/m³; STEL (VLA-EC): 0.6 ppm; STEL (VLA-EC): 0.74 mg/m³; S
Methanol 67-56-1	TWA (VLE-MP): 200 ppm; TWA (VLE-MP): 260 mg/m³; STEL (VLE-CD): 250 ppm; pSk	TWA: 200 ppm; TWA: 260 mg/m³; Sk	TWA: 200 ppm; TWA: 260 mg/m³; pSk	TWA: 200 ppm; TWA: 260 mg/m³; STEL: 800 ppm; STEL: 1040 mg/m³; pSk	TWA-(VLA-ED): 200 ppm; TWA-(VLA-ED): 266 mg/m³; pSk
Hexylene glycol 107-41-5	Ceiling (VLE-CM): 25 ppm;	-	-	-	STEL (VLA-EC): 25 ppm; STEL (VLA-EC): 123 mg/m³;
Sodium benzoate 532-32-1	-	-	-	TWA: 10 mg/m³; inhalable fraction STEL: 20 mg/m³; inhalable fraction pSk	-
Sodium hydroxide 1310-73-2	Ceiling (VLE-CM): 2 mg/m³;	TWA: 1 mg/m³; STEL: 3 mg/m³;	TWA: 2 mg/m³;	-	STEL (VLA-EC): 2 mg/m³;

Chemical name	Sweden	Switzerland	United Kingdom
Formaldehyde 50-00-0	TLV-NGV: 0.3 ppm; TLV-NGV: 0.37 mg/m³; STEL (Bindande KGV): 0.6 ppm; STEL (Bindande KGV): 0.74 mg/m³; Sk S	TWA-MAK: 0.3 ppm; TWA-MAK: 0.37 mg/m³; STEL-KZGW: 0.6 ppm; STEL-KZGW: 0.74 mg/m³; S	TWA: 2 ppm; TWA: 2.5 mg/m³; STEL: 2 ppm; STEL: 2.5 mg/m³;
Methanol	TLV-NGV: 200 ppm;	TWA-MAK: 200 ppm;	TWA: 200 ppm;

67-56-1	TLV-NGV: 250 mg/m³; STEL (Vägledande KGV): 250 ppm; STEL (Vägledande KGV): 350 mg/m³; Sk	TWA-MAK: 260 mg/m³; STEL-KZGW: 400 ppm; STEL-KZGW: 520 mg/m³; Sk	TWA: 266 mg/m³; STEL: 250 ppm; STEL: 333 mg/m³; pSk
Hexylene glycol 107-41-5	STEL (Bindande KGV): 25 ppm; STEL (Bindande KGV): 120 mg/m³;	TWA-MAK: 10 ppm; aerosol, vapour TWA-MAK: 49 mg/m³; aerosol, vapour STEL-KZGW: 20 ppm; aerosol, vapour STEL-KZGW: 98 mg/m³; aerosol, vapour	TWA: 25 ppm; TWA: 123 mg/m³; STEL: 25 ppm; STEL: 123 mg/m³;
Propylene Glycol 57-55-6	-	-	TWA: 150 ppm; total vapour and particulate TWA: 474 mg/m³; total vapour and particulate TWA: 10 mg/m³; particulate STEL: 450 ppm; total vapour and particulate STEL: 1422 mg/m³; total vapour and particulate STEL: 30 mg/m³; particulate
Sodium benzoate 532-32-1	-	TWA-MAK: 1 mg/m³; respirable dust TWA-MAK: 10 mg/m³; inhalable dust STEL-KZGW: 4 mg/m³; respirable dust STEL-KZGW: 20 mg/m³; inhalable dust Sk	-
Sodium hydroxide 1310-73-2	TLV-NGV: 1 mg/m³; inhalable fraction STEL (Bindande KGV): 2 mg/m³; inhalable fraction	TWA-MAK: 2 mg/m³; inhalable dust STEL-KZGW: 2 mg/m³; inhalable dust	STEL: 2 mg/m³;

Note See section 16 for terms and abbreviations

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Methanol 67-56-1	-	-	-	7.0 mg/g Creatinine - urine (Methanol) - at the end of the work shift	0.47 mmol/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol end of shift)

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
Methanol 67-56-1	-	-	- urine (Methanol) - end of shift	15 mg/L (urine - Methanol at the end of the shift, in case of long-term exposure after several previous shifts) 15 mg/L - BAT (end of exposure or end of shift) urine	15 mg/L (urine - Methanol at the end of the shift, in case of long-term exposure after several previous shifts)

Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII

Methanol 67-56-1	30 mg/L (urine - Methanol end of shift) 940 µmol/L (urine - Methanol end of shift)	15 mg/L (urine - Methanol end of shift)	-	15 mg/L - urine (Methanol) - end of shift
Chemical name	Latvia	Luxembourg	Romania	Slovakia
Methanol 67-56-1	-	-	6 mg/L - urine (Methanol) - end of shift	30 mg/L (urine - Methanol end of exposure or work shift) 30 mg/L (urine - Methanol after all work shifts)
Chemical name	Slovenia	Spain	Switzerland	United Kingdom
Methanol 67-56-1	15 mg/L - urine (Methanol) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays	15 mg/L (urine - Methanol end of shift)	30 mg/L (urine - Methanol end of shift, and after several shifts (for long-term exposures)) 936 µmol/L (urine - Methanol end of shift, and after several shifts (for long-term exposures))	-

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Formaldehyde 50-00-0	-	240 mg/kg bw/day [4] [6] 37 µg/cm2 [5] [6]	9 mg/m³ [4] [6] 0.375 mg/m³ [5] [6] 0.75 mg/m³ [5] [7]
Methanol 67-56-1	-	20 mg/kg bw/day [4] [6] 20 mg/kg bw/day [4] [7]	130 mg/m³ [4] [6] 130 mg/m³ [4] [7] 130 mg/m³ [5] [6] 130 mg/m³ [5] [7]
Hexylene glycol 107-41-5	-	63 mg/kg bw/day [4] [6]	44.43 mg/m³ [4] [6] 49 mg/m³ [5] [6] 98 mg/m³ [5] [7]
Sodium acetate 127-09-3	-	12 mg/kg bw/day [4] [6] 72 mg/kg bw/day [4] [7]	1057.9 mg/m³ [4] [6] 6347.36 mg/m³ [4] [7]
Sodium benzoate 532-32-1	-	62.5 mg/kg bw/day [4] [6]	3 mg/m³ [4] [6] 0.1 mg/m³ [5] [6]
Sodium hydroxide 1310-73-2	-	-	1 mg/m³ [5] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Formaldehyde 50-00-0	4.1 mg/kg bw/day [4] [6]	12 µg/cm2 [5] [6]	3.2 mg/m³ [4] [6] 0.1 mg/m³ [5] [6]
Methanol 67-56-1	4 mg/kg bw/day [4] [6] 4 mg/kg bw/day [4] [7]	4 mg/kg bw/day [4] [6] 4 mg/kg bw/day [4] [7]	26 mg/m³ [4] [6] 26 mg/m³ [4] [7] 26 mg/m³ [5] [6] 26 mg/m³ [5] [7]
Hexylene glycol 107-41-5	2.25 mg/kg bw/day [4] [6]	-	7.83 mg/m³ [4] [6] 25 mg/m³ [5] [6] 49 mg/m³ [5] [7]

Chemical name	Oral	Dermal	Inhalation
Sodium acetate 127-09-3	6 mg/kg bw/day [4] [6] 36 mg/kg bw/day [4] [7]	36 mg/kg bw/day [4] [6] 36 mg/kg bw/day [4] [7]	521.73 mg/m³ [4] [6] 3103.45 mg/m³ [4] [7]
Sodium benzoate 532-32-1	16.6 mg/kg bw/day [4] [6]	-	1.5 mg/m³ [4] [6] 0.06 mg/m³ [5] [6]
Sodium hydroxide 1310-73-2	-	-	1 mg/m³ [5] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Hexylene glycol 107-41-5	0.429 mg/L	4.29 mg/L	0.0429 mg/L	-	-
Propylene Glycol 57-55-6	260 mg/L	183 mg/L	26 mg/L	-	-
Sodium acetate 127-09-3	0.1 mg/L	-	0.01 mg/L	-	-
Sodium benzoate 532-32-1	300 mg/kg food 0.581 mg/L	0.0581 mg/L	300 mg/kg food 0.0581 mg/L	0.00581 µg/L	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Hexylene glycol 107-41-5	1.59 mg/kg sediment dw	0.159 mg/kg sediment dw	20 mg/L	0.066 mg/kg soil dw	-
Propylene Glycol 57-55-6	572 mg/kg sediment dw	57.2 mg/kg sediment dw	20000 mg/L	50 mg/kg soil dw	-
Sodium acetate 127-09-3	0.000402 mg/kg sediment dw	0.0000402 mg/kg sediment dw	0.72 g/L	0.000402 mg/kg soil dw	-
Sodium benzoate 532-32-1	2.5 mg/kg sediment dw	0.25 mg/kg sediment dw	10 mg/L	0.1587 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

Hand protection

Wear suitable gloves. Impervious gloves. Gloves must conform to standard EN 374.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. (EN ISO 6529).

Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. (EN 137).
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Pink liquid
Physical state	Liquid
Colour	Pink
Odour	Pungent Perfume
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point		No data available
Boiling point or initial boiling point and boiling range	93 - 96 °C	@ 760 mmHg
Flammability		No data available
Lower and upper explosion limit/flammability limit		
Lower explosion limit	7%	
Upper explosion limit	73%	
Flash point	63 °C	CC (closed cup)
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		No data available
pH	8.5 - 9.5	Concentrated solution
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility	Soluble in water	
Solubility		No data available
Partition coefficient n-octanol/water (log value)		No data available
Vapour pressure		No data available
Density and/or relative density	1.05 - 1.06	
Bulk density		No data available
Liquid Density		No data available
Relative vapour density	> 1	
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available

9.2. Other information

Molecular weight	No information available
VOC content	98%
Softening point	No information available

9.2.1. Information with regards to physical hazard classes

Explosives	
Explosive properties	Not an explosive
Oxidising properties	Not an oxidiser

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on components). May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Coughing and/ or wheezing. Difficulty in breathing. Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

Acute toxicity Fatal if inhaled. Harmful if swallowed. Harmful by skin contact. Harmful by inhalation.

Numerical measures of toxicity
The following ATE values have been calculated for the mixture:
ATEmix (oral) 761.80 mg/kg

ATEmix (dermal)	1,019.80 mg/kg
ATEmix (inhalation-gas)	2,960.70 ppm
ATEmix (inhalation-vapour)	465.70 mg/l
ATEmix (inhalation-dust/mist)	0.215 mg/l

Unknown acute toxicity

1.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
1.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
13.45387 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Formaldehyde	= 100 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 578 mg/m³ (Rat) 4 h
Methanol	= 100 mg/kg	= 300 mg/kg	= 22500 ppm (Rat) 8 h
Hexylene glycol	= 3700 mg/kg (Rat)	= 12300 mg/kg (Rabbit)	> 310 mg/m³ (Rat) 1 h
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	> 317 042 mg/m³ (Rabbit) 2h
Sodium acetate	= 3530 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 5.6 mg/L (Rat) 4 h
Sodium benzoate	= 4070 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 12 200 mg/m³ (Rat) 4h
Sodium hydroxide	= 325 mg/kg (Rat)	= 1350 mg/kg (Rabbit)	-

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Contains a known or suspected mutagen. Classification based on data available for ingredients. Suspected of causing genetic defects.

Germ cell mutagenicity
The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
Formaldehyde	Muta. 2

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Formaldehyde	Carc. 1B

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause damage to organs if swallowed. May cause damage to organs in contact with skin. May cause damage to organs if inhaled. May cause respiratory irritation.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Formaldehyde 50-00-0	EC50 3.48 mg/L (72h, Desmodesmus subspicatus)	LC50: 6.7mg/L (96h, Morone saxatilis)	-	LC50: 5.8 mg/L (48h, Daphnia magna)
Methanol 67-56-1	-	LC50: =28200mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas) LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss) LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss) LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus)	-	-
Hexylene glycol 107-41-5	-	LC50: 10500 - 11000mg/L (96h, Pimephales promelas) LC50: =10000mg/L (96h, Lepomis macrochirus) LC50: =8690mg/L (96h, Pimephales promelas) LC50: =10700mg/L (96h, Pimephales promelas)	-	EC50: 2700 - 3700mg/L (48h, Daphnia magna)
Propylene Glycol 57-55-6	EC50: 24200 mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 40613 mg/L (96h, Oncorhynchus mykiss)	-	LC50: 18340 mg/L (48h, Ceriodaphnia dubia)
Sodium acetate 127-09-3	-	LC50: >100mg/L (96h, Danio rerio)	-	EC50: >1000mg/L (48h, Daphnia magna)
Sodium benzoate 532-32-1	EC50: >30.5 mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 484 mg/L (96h, Pimephales promelas)	-	EC50: >100mg/L (48h, Daphnia magna)
Sodium hydroxide 1310-73-2	-	LC50: =45.4mg/L (96h, Oncorhynchus mykiss)	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Formaldehyde	0.35
Methanol	-0.77
Hexylene glycol	0.14
Propylene Glycol	-1.07
Sodium benzoate	-2.13

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Formaldehyde 50-00-0	Not PBT/vPvB
Methanol 67-56-1	Not PBT/vPvB
Hexylene glycol 107-41-5	Not PBT/vPvB
Propylene Glycol 57-55-6	Not PBT/vPvB
Sodium acetate 127-09-3	Not PBT/vPvB
Sodium benzoate 532-32-1	Not PBT/vPvB
Sodium hydroxide 1310-73-2	Not PBT/vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

12.7. Other adverse effects

Other adverse effects No information available.

PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging	Do not reuse empty containers.
Waste codes / waste designations according to EWC / AVV	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	UN3334
14.2 UN proper shipping name	Aviation regulated liquid, n.o.s. (Formaldehyde, Methanol)
IATA Technical Name	Formaldehyde, Methanol
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	A27
ERG Code	9A
Description	UN3334, Aviation regulated liquid, n.o.s. (Formaldehyde, Methanol), 9, III

IMDG

14.1 UN number or ID number	UN3334
14.2 UN proper shipping name	Aviation regulated liquid, n.o.s. (Formaldehyde, Methanol)
Technical Name	Formaldehyde, Methanol
14.3 Transport hazard class(es)	9
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
Marine pollutant indicator	NP
14.6 Special precautions for user	
Special Provisions	960
Description	UN3334, Aviation regulated liquid, n.o.s. (Formaldehyde, Methanol), 9
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	UN3334
14.2 UN proper shipping name	Aviation regulated liquid, n.o.s.
14.3 Transport hazard class(es)	9
14.4 Packing group	Not applicable
Description	UN3334, Aviation regulated liquid, n.o.s., 9
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None
Classification code	M11

ADR

14.1 UN number or ID number	UN3334
14.2 UN proper shipping name	Aviation regulated liquid, n.o.s.
14.3 Transport hazard class(es)	9
14.4 Packing group	Not regulated
Description	UN3334, Aviation regulated liquid, n.o.s., 9
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None
Classification code	M11

ADN

14.1 UN number or ID number	UN3334
14.2 UN proper shipping name	Aviation regulated liquid, n.o.s.
14.3 Transport hazard class(es)	9

14.4 Packing group Not applicable
Description UN3334, Aviation regulated liquid, n.o.s., 9
14.5 Environmental hazard No
14.6 Special precautions for user
Special Provisions None
Classification code M11

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Formaldehyde - 50-00-0	RG 43
Methanol - 67-56-1	RG 84
Hexylene glycol - 107-41-5	RG 84
Propylene Glycol - 57-55-6	RG 84

Germany
Water hazard class (WGK) strongly hazardous to water (WGK 3).

Chemical Prohibition Ordinance (ChemVerbotsV)
This product is subject to requirements and restrictions regarding handling and delivery.

Chemical name	ANNEX I
Formaldehyde 50-00-0	1

TA Luft (German Air Pollution Control Regulation)

Chemical name	Number	Class
Formaldehyde	5.2.7.1.1	-
Methanol	5.2.5	Class I

TRGS 905 Not applicable.

Netherlands
Carcinogenic, mutagenic and reproductive toxic effects

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Formaldehyde - 50-00-0	Present	-	-

Switzerland
Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Group I.
Storage of Hazardous Material SC 10/12.
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Class A.
Major Accidents Ordinance SR 814.012 Not applicable.

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Formaldehyde - 50-00-0	72 77 28 75	-
Methanol - 67-56-1	69 75	-
Hexylene glycol - 107-41-5	75	-
Sodium hydroxide - 1310-73-2	75.	-

Persistent Organic Pollutants

Not applicable.

Dangerous substance category per Seveso Directive (2012/18/EU)

H2 - ACUTE TOXIC.

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Formaldehyde - 50-00-0	5	50
Methanol - 67-56-1	500	5000

Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable.

EU - Plant Protection Products (1107/2009/EC)

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Formaldehyde - 50-00-0	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene Product-type 22: Embalming and taxidermist fluids
Sodium acetate - 127-09-3	Simplified procedure - Category 1
Sodium benzoate - 532-32-1	Simplified procedure - Category 1

Explosives Precursors Marketing and Use (2019/1148)

Not applicable.

International Inventories

Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report No information available.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15
EUH071 - Corrosive to the respiratory tract
H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H331 - Toxic if inhaled
H341 - Suspected of causing genetic defects
H350 - May cause cancer
H370 - Causes damage to organs
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
P330 - Rinse mouth
P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable
P280 - Wear protective gloves, protective clothing, eye protection and face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P312 - Call a POISON CENTER or doctor if you feel unwell
P321 - Specific treatment (see supplemental first aid instructions on this label)
P362 + P364 - Take off contaminated clothing and wash it before reuse
P261 - Avoid breathing dust, fume, gas, mist, vapors and spray
P271 - Use only outdoors or in a well-ventilated area
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P260 - Do not breathe dust, fume, gas, mist, vapors and spray
P284 - In case of inadequate ventilation wear respiratory protection
P310 - Immediately call a POISON CENTER or doctor
P320 - Specific treatment is urgent (see supplemental first aid instructions on this label)
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P280 - Wear protective gloves
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P272 - Contaminated work clothing should not be allowed out of the workplace
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
AIDII	Italian Association of Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)

ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CLP	Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DFG	German Research Foundation
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
ECHA	European Chemicals Agency
EC Number	European Community number
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
EWC	European Waste Codes
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAK	Maximum Concentration at the Workplace
MAL	Measuring Technical Hygienic Air Needs
MARPOL	International Convention for the Prevention of Pollution from Ships
MDLPS	Ministry of Labour and Social Policy
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit

STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
SVHC	Substance of very high concern
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TRGS	Technical Rule for Hazardous Substances
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitiser
RS	Respiratory Sensitiser
S	Sensitiser
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency

Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006

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End of Safety Data Sheet