



Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol)

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.
Date of issue: 21/02/2025 Version: 1.0

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

1.1. Product identifier

Product form	: Mixture
Product name	: Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol)
EC-No.	: 200-001-8
CAS-No.	: 50-00-0
UK REACH registration No.	: UK-01-0926845141
Formula	: CH ₂ O

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

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Use of the substance/mixture	: Biocide

1.2.2. Uses advised against

Restrictions on use	: Anything other than the above
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1.3. Details of the supplier of the safety data sheet

TS Resins Ltd.
Alyn Works
Denbigh Road
Mold
Flintshire
United Kingdom
CH7 1BF
E-mail: tech@tsresins.co.uk
Telephone: +44 1352 757657
Website: www.tsresins.co.uk

1.4. Emergency telephone number

Emergency number	: Europe: +44 1235 239670 Middle East / Africa: +44 1235 239671 Americas: +1 202 464 2554
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Acute toxicity (oral), Category 3	H301
Acute toxicity (dermal), Category 3	H311
Acute toxicity (inhal.), Category 3	H331
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Germ cell mutagenicity, Category 2	H341
Carcinogenicity, Category 1B	H350
Specific target organ toxicity – single exposure, Category 1	H370
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

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

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)



Signal word (GB CLP)

: Danger

Contains

: Methanol;Formaldehyde

Hazard statements (GB CLP)

: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H335 - May cause respiratory irritation.
H341 - Suspected of causing genetic defects.
H350 - May cause cancer.
H370 - Causes damage to organs (optic nerve, central nervous system).
P201 - Obtain special instructions before use.
P260 - Do not breathe vapours.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice or attention.

Precautionary statements (GB CLP)

2.3. Other hazards

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	Methanol (67-56-1), Formaldehyde (50-00-0)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	Methanol (67-56-1), Formaldehyde (50-00-0)
Component	
Substance(s) not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	Formaldehyde(50-00-0), Methanol(67-56-1)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol)

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3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
Formaldehyde substance with workplace exposure limit(s)	CAS-No.: 50-00-0 EC-No.: 200-001-8 UK REACH-No: UK-01-0926845141-7	30 – 50	Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=270 mg/kg bodyweight) Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 EUH071
Methanol substance with workplace exposure limit(s)	CAS-No.: 67-56-1 EC-No.: 200-659-6	3 – 10	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) STOT SE 1, H370

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Formaldehyde	CAS-No.: 50-00-0 EC-No.: 200-001-8 UK REACH-No: UK-01-0926845141-7	(0.2 ≤ C ≤ 100) Skin Sens. 1; H317 (5 ≤ C < 25) Skin Irrit. 2; H315 (5 ≤ C < 25) Eye Irrit. 2; H319 (5 ≤ C ≤ 100) STOT SE 3; H335 (25 ≤ C ≤ 100) Skin Corr. 1B; H314
Methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6	(3 ≤ C < 10) STOT SE 2; H371 (10 ≤ C < 100) STOT SE 1; H370

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF ON SKIN (or hair): Get medical advice/attention.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician.
First-aid measures after skin contact	: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediately call a POISON CENTRE or doctor/physician.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ensure that folded skin of eyelids is thoroughly washed with water. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/effects after inhalation	: Toxic if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Toxic in contact with skin. Causes severe skin burns.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Toxic if swallowed.
Chronic symptoms	: Suspected of causing genetic defects. May cause cancer. Causes damage to organs (optic nerve, central nervous system).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Carbon dioxide (CO₂). dry extinguishing powder. Water spray.
Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.
Hazardous decomposition products in case of fire : Fire may produce irritating, corrosive and/or toxic gases.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray to cool exposed containers. Avoid fire-fighting water entering the environment.
Protection during firefighting : As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment. See Section 8. In case of inadequate ventilation, wear respiratory protection.
Emergency procedures : Do not breathe vapour. Do not get in eyes, on skin, or on clothing.

6.1.2. For emergency responders

Protective equipment : Wear personal protective equipment. See Section 8. In case of inadequate ventilation, wear respiratory protection.
Emergency procedures : Ventilate area. Do not get in eyes, on skin, or on clothing. Do not breathe vapours.

6.2. Environmental precautions

Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe vapours. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area.
Hygiene measures : Wash hands, forearms and face thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool well ventilated place. Keep container tightly closed. Store locked up.
Incompatible materials	: Strong oxidising agents.

7.3. Specific end use(s)

Biocide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Methanol (67-56-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Methanol
WEL TWA (mg/m ³)	266 mg/m ³
WEL TWA (ppm)	200 ppm
WEL STEL (mg/m ³)	333 mg/m ³
WEL STEL (ppm)	250 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Formaldehyde (50-00-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Formaldehyde
WEL TWA (mg/m ³)	2.5 mg/m ³
WEL TWA (ppm)	2 ppm
WEL STEL (mg/m ³)	2.5 mg/m ³
WEL STEL (ppm)	2 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Methanol (67-56-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	40 mg/kg/d
Acute - systemic effects, inhalation	260 mg/m ³
Acute - local effects, inhalation	260 mg/m ³
Long-term - systemic effects, dermal	40 mg/kg/d
Long-term - systemic effects, inhalation	260 mg/m ³

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Methanol (67-56-1)	
Long-term - local effects, inhalation	260 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	20.8 mg/l
PNEC aqua (marine water)	20.8 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	77 mg/kg
PNEC sediment (marine water)	7.7 mg/kg
PNEC (Soil)	
PNEC soil	0.00318 mg/kg
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l
PNEC (additional information)	
Water	1540 mg/l
Formaldehyde (50-00-0)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	1 mg/m ³
Acute - local effects, inhalation	0.75 mg/m ³
Long-term - systemic effects, dermal	240 mg/kg/d
Long-term - local effects, dermal	0.037 mg/cm ²
Long-term - systemic effects, inhalation	0.5 mg/m ³
Long-term - local effects, inhalation	0.5 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.47 mg/l
PNEC aqua (marine water)	0.47 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2.44 mg/kg
PNEC sediment (marine water)	2.44 mg/kg
PNEC (Soil)	
PNEC soil	0.21 mg/kg
PNEC (STP)	
PNEC sewage treatment plant	0.19 mg/l
PNEC (additional information)	
Water	4.7 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure adequate ventilation. Local exhaust ventilation (LEV) may be required to control inhalation exposure. Emergency eye wash stations and safety showers should be available in the immediate vicinity of any potential exposure.

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8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Wear tight-fitting, chemical splash goggles or face shield. Standard EN 166 - Personal eye-protection.

8.2.2.2. Skin protection

Skin and body protection:

Long-sleeved protective clothing

Hand protection:

Wear protective gloves. Standard EN 374 - Protective gloves against chemicals. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.4		
Protective gloves	Butyl rubber	6 (> 480 minutes)	0.7		

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Standard EN 14387 - Gas filter(s), combined filter(s) and full face mask - EN 136. Observe occupational exposure limits and minimise the risk of exposure.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Formaldehyde.
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 63 – 75 °C
Explosive limits	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: Not available
Density	: Not available
Solubility	: Soluble.
Log Kow	: 0.35
Auto-ignition temperature	: 395 °C
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Explosive properties	: Not available

9.2. Other information

Particle characteristics	: Not applicable
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts in contact with: Strong oxidizing agents.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidising agents.

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 toxicological effects

Acute toxicity (oral) : Toxic if swallowed.
Acute toxicity (dermal) : Toxic in contact with skin.
Acute toxicity (inhalation) : Toxic if inhaled.

Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol) (50-00-0)

ATE UK (oral)	166.667 mg/kg bodyweight
ATE UK (dermal)	457.627 mg/kg bodyweight
ATE UK (gases)	700 ppmv/4h
ATE UK (vapours)	3 mg/l/4h
ATE UK (dust,mist)	0.5 mg/l/4h

Methanol (67-56-1)

LD50 oral, rat	1187 mg/kg
LD50 dermal, rabbit	17100 mg/kg
LC50 inhalation, rat (mg/l)	43700 mg/m ³ air
Additional information	Methanol is known to be significantly more toxic to humans than to laboratory animals.

Formaldehyde (50-00-0)

LD50 oral, rat	640 mg/kg bodyweight (OECD 401 method)
LD50 dermal, rabbit	270 mg/kg
LC50 inhalation, rat (ppm)	< 463 ppm/4h (OECD 403 method)

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Suspected of causing genetic defects.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: Causes damage to organs (optic nerve, central nervous system). May cause respiratory irritation.

Methanol (67-56-1)	
STOT-single exposure	Causes damage to organs (optic nerve, central nervous system).
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

Other information

Endocrine disrupting properties

No additional information available

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Methanol (67-56-1)	
LC50 fish	15400 mg/l - 96 Hours (Lepomis macrochirus)
EC50 Daphnia	18260 mg/l - 48 Hours (Daphnia magna)
ErC50 algae	≈ 22000 mg/l - 96 Hours (Pseudokirchneriella subcapitata)

Formaldehyde (50-00-0)	
LC50 fish	24.1 mg/l - 96 Hours (Pimephales promelas), (freshwater)
LC50 fish 2	6.7 mg/l - 96 Hours (Morone saxtalis), (marine water)
EC50 Daphnia	5.8 mg/l - 48 Hours (Daphnia pulex), (freshwater)
EC50 - Crustacea [2]	5.3 mg/l - 96 Hours, (marine water)
EC50 72h - Algae [1]	4.89 mg/l - 72 Hours (Desmodesmus subspicatus)
NOEC chronic crustacea	6.9 mg/l - 144 Hours (Daphnia magna)

12.2. Persistence and degradability

Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol) (50-00-0)	
Persistence and degradability	Readily biodegradable.
Methanol (67-56-1)	
Persistence and degradability	Readily biodegradable.
Formaldehyde (50-00-0)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol) (50-00-0)	
Log Kow	0.35

Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol)

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Methanol (67-56-1)

Log Pow	-0.77 (20 °C)
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12.4. Mobility in soil

Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol) (50-00-0)

Ecology - soil	The test item will remain mainly in the water phase, no adsorption to the solid soil phase or volatilization into the atmosphere is expected.
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12.5. Results of PBT and vPvB assessment

Component

Methanol (67-56-1)	This product does not contain substances at ≥0.1% that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at ≥0.1% that meet the vPvB criteria of UK REACH regulation, annex XIII
Formaldehyde (50-00-0)	This product does not contain substances at ≥0.1% that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at ≥0.1% that meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste disposal recommendations	: Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 2209	UN 2209	UN 2209	UN 2209	UN 2209
14.2. UN proper shipping name				
FORMALDEHYDE SOLUTION	FORMALDEHYDE SOLUTION	Formaldehyde solution	FORMALDEHYDE SOLUTION	FORMALDEHYDE SOLUTION
Transport document description				
UN 2209 FORMALDEHYDE SOLUTION, 8, III, (E)	UN 2209 FORMALDEHYDE SOLUTION, 8, III	UN 2209 Formaldehyde solution, 8, III	UN 2209 FORMALDEHYDE SOLUTION, 8, III	UN 2209 FORMALDEHYDE SOLUTION, 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8

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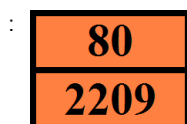
According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

ADR	IMDG	IATA	ADN	RID
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: False	Dangerous for the environment: False Marine pollutant: No	Dangerous for the environment: False	Dangerous for the environment: False	Dangerous for the environment: False
No supplementary information available				

14.6. Special precautions for user

Overland transport

Orange plates



Tunnel restriction code (ADR)

: E

EAC code

: •2X

Transport by sea

EmS-No. (Fire)

: F-A

EmS-No. (Spillage)

: S-B

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

Contains no substance(s) listed on the UK REACH Candidate List

GB PIC regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

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POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure: Formaldehyde - 50-00-0 (5 % w/w)

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other information

British National Regulations : Substance approved under:
GB Biocidal Products Regulation.

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Formaldehyde

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS-No.	Chemical Abstract Service number
ATE	Acute Toxicity Estimate
BLV	Biological limit value
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
IOELV	Indicative Occupational Exposure Limit Value
LD50	Median lethal dose
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

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Abbreviations and acronyms:

SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : Classification procedure according to Regulation (EC) No. 1272/2008 [CLP]: Physical hazards: Expert judgement. Health hazards: Calculation method. Environmental hazards: Calculation method.

Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Sol. 2	Flammable solids, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.

Formaldehyde solution (30 % - 50 % formaldehyde, ≤ 10 % methanol)

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Full text of H- and EUH-statements:	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H370	Causes damage to organs.
H371	May cause damage to organs.

Safety Data Sheet (SDS), UK

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.