

SAFETY DATA SHEET



Fixation Buffer

Section 1. Identification

Product identifier : Fixation Buffer
Product code : Not applicable
Other means of identification : Not available.
Product type : Liquid.

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

Product use : Tissue preservative and fixative.
Area of application : Professional applications.

Uses advised against	Reason
This product is not intended for use in humans or animals.	-

Supplier's details : Bruker Spatial Biology, Inc.
4340 Duncan Avenue, Suite 220
Saint Louis, Missouri 63110
United States

e-mail address of person responsible for this SDS : Info.canopy@bruker.com

Emergency telephone number (with hours of operation) : +1 866-963-4342 (US) or +49 6221-1873170 (EMEA/HDL) | 24/7

Section 2. Hazard(s) identification

Classification of the substance or mixture : H302 ACUTE TOXICITY (oral) - Category 4
H332 ACUTE TOXICITY (inhalation) - Category 4
H314 SKIN CORROSION/IRRITATION - Category 1
H317 SKIN SENSITISATION - Category 1
H350 CARCINOGENICITY - Category 1
H371 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 2

GHS label elements

Hazard pictograms :



Signal word : DANGER

Hazard statements : H302 + H332 - Harmful if swallowed or if inhaled.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H350 - May cause cancer.
H371 - May cause damage to organs.

Date of issue/Date of revision : 13/05/2026 **Date of previous issue** : No previous validation **Version** : 1 1/15

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Section 2. Hazard(s) identification

Precautionary statements

Prevention

- : P201 - Obtain special instructions before use.
- P280 - Wear protective gloves: > 8 hours (breakthrough time): butyl rubber - thickness: 0.4 mm.. Wear protective clothing. Wear eye or face protection. Wear hearing protection.
- P260 - Do not breathe vapour.
- P270 - Do not eat, drink or smoke when using this product.
- P264 - Wash thoroughly after handling.

Response

- : P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor.
- P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor.
- P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.
- P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.
- P363 - Wash contaminated clothing before reuse.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

- : Not applicable.

Disposal

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

Supplemental label elements

- : Not applicable.

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

Section 3. Composition and ingredient information

Substance/mixture

- : Mixture

Other means of identification

- : Not available.

Ingredient name	% (w/w)	Identifiers
Formaldehyde, solution	≤5	CAS: 50-00-0
methanol	≤2	CAS: 67-56-1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

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

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Harmful if inhaled. May cause damage to organs following a single exposure if inhaled.
- Skin contact** : Causes severe burns. May cause damage to organs following a single exposure in contact with skin. May cause an allergic skin reaction.
- Ingestion** : Harmful if swallowed. May cause damage to organs following a single exposure if swallowed.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

Section 4. First aid measures

Ingestion : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

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.

Section 6. Accidental release measures

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. Do not breathe vapour. 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".

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).

Section 6. Accidental release measures

Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Keep container tightly closed and store at recommended temperature. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Storage temperature: 15 – 25 °C.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Formaldehyde, solution	Safe Work Australia (Australia, 11/2025) Carc. 2. Sensitiser. STEL 15 minutes: 2.5 mg/m ³ . STEL 15 minutes: 2 ppm. TWA 8 hours: 1.2 mg/m ³ . TWA 8 hours: 1 ppm.
methanol	Safe Work Australia (Australia, 11/2025) Absorbed through skin. STEL 15 minutes: 328 mg/m ³ .

Section 8. Exposure controls and personal protection

STEL 15 minutes: 250 ppm.
TWA 8 hours: 262 mg/m³.
TWA 8 hours: 200 ppm.

Biological exposure indices

None known.

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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.

Individual protection measures

Hygiene measures

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

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

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. > 8 hours (breakthrough time): butyl rubber - thickness: 0.4 mm.

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. Recommended: Respiratory system protection is necessary during: Aerosol or mist formation. (combined filters against gases and vapours, colour coding: Brown / Grey / Yellow / Green)

Section 9. Physical and chemical properties and safety characteristics

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

Appearance

Physical state	: Liquid.				
Colour	: Clear.				
Odour	: Odourless.				
Odour threshold	: Not available.				
pH	: 7				
Melting point/freezing point	: -15°C (5°F)				
Boiling point or initial boiling point and boiling range	: 97°C (206.6°F)				
Flash point	: Not available.				
Flammability	: Not available.				
Lower and upper explosion limit/flammability limit	: Not available.				
Vapour pressure	: Not available.				
Relative vapour density	: Not available.				
Relative density	: Not available.				
Density	: 1 g/cm ³				
Solubility(ies)	: <table border="1" data-bbox="516 1024 1511 1117"> <tr> <th>Media</th><th>Result</th></tr> <tr> <td>water</td><td>Easily soluble</td></tr> </table>	Media	Result	water	Easily soluble
Media	Result				
water	Easily soluble				

Miscible with water	: Yes.
Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C (104°F)): Not available.

Particle characteristics

Median particle size	: Not applicable.
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Other information

Physical/chemical properties comments	: No additional information.
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Section 10. Stability and reactivity

Reactivity	: May polymerize. Heat: Vapours may form explosive mixtures with air.
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Chemical stability	: The product may not be stable under certain conditions of storage or use. See "Possibility of Hazardous Reactions" for further information.
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Section 10. Stability and reactivity

Possibility of hazardous reactions	: Hazardous reactions or instability may occur under certain conditions of storage or use. May decompose on exposure to light. Hazardous polymerization may occur under certain conditions of storage or use. Keep away from the following materials to prevent strong exothermic reactions: Alkali, permanganates, strong oxidizers, Aniline. risk of violent reaction: Phenol, acids, nitric acid, hydrogen peroxide.
Conditions to avoid	: Store it away from heat and direct light.
Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials and metals.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Formaldehyde, solution	Rat - Oral - LD50 100 mg/kg Rabbit - Dermal - LD50 270 mg/kg Rat - Inhalation - LC50 Vapour 589.44 mg/m ³ [4 hours]
methanol	Rabbit - Dermal - LD50 15800 mg/kg Rat - Oral - LD50 5600 mg/kg Rat - Inhalation - LC50 Vapour 64000 ppm [4 hours] Rat - Inhalation - LC50 Vapour 145000 ppm [1 hours]

Conclusion/Summary[Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
Formaldehyde, solution	Rabbit - Skin - Severe irritant <u>Amount/concentration applied</u> : 0.8 % Rabbit - Skin - Mild irritant <u>Amount/concentration applied</u> : 540 mg Rabbit - Skin - Moderate irritant <u>Duration of treatment/exposure</u> : 24 hours <u>Amount/concentration applied</u> : 50 mg Rabbit - Skin - Severe irritant <u>Duration of treatment/exposure</u> : 24

Section 11. Toxicological information

hours
Amount/concentration applied: 2 mg
Rat - Skin - Moderate irritant
Amount/concentration applied: 7 %
Rabbit - Skin - Severe irritant
Duration of treatment/exposure: 72
 hours
Amount/concentration applied: 0.8 %
Rabbit - Skin - Moderate irritant
Duration of treatment/exposure: 24
 hours
Amount/concentration applied: 20 mg

methanol

Conclusion/Summary[Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name

Formaldehyde, solution

Result

Rabbit - Eyes - Severe irritant
Duration of treatment/exposure: 24
 hours
Amount/concentration applied: 750 ug
Rabbit - Eyes - Severe irritant
Amount/concentration applied: 750 ug
Rabbit - Eyes - Severe irritant
Amount/concentration applied: 37 %
Rabbit - Eyes - Severe irritant
Amount/concentration applied: 10 mg
Rabbit - Eyes - Moderate irritant
Duration of treatment/exposure: 24
 hours
Amount/concentration applied: 100 mg
Rabbit - Eyes - Moderate irritant
Amount/concentration applied: 40 mg
Rabbit - Eyes - Severe irritant
Amount/concentration applied: 0.1 MI

methanol

Conclusion/Summary[Product] : Not available.

Respiratory corrosion/irritation

Conclusion/Summary[Product] : Not available.

Respiratory or skin sensitization

Skin

Conclusion/Summary[Product] : Not available.

Respiratory

Conclusion/Summary[Product] : Not available.

Section 11. Toxicological information

Germ cell mutagenicity

Conclusion/Summary[Product] : Not available.

Carcinogenicity

Conclusion/Summary[Product] : Not available.

Reproductive toxicity

Conclusion/Summary[Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

methanol

Result

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
- Category 1

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Harmful if inhaled. May cause damage to organs following a single exposure if inhaled.
- Skin contact** : Causes severe burns. May cause damage to organs following a single exposure in contact with skin. May cause an allergic skin reaction.
- Ingestion** : Harmful if swallowed. May cause damage to organs following a single exposure if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

Section 11. Toxicological information

Ingestion : Adverse symptoms may include the following:
stomach pains

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary[Product] : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Fixation Buffer	1432.7	3981.1	N/A	10.9	N/A
Formaldehyde, solution	100	270	N/A	0.58944	N/A
methanol	100	300	N/A	3	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name

Formaldehyde, solution

Result

Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa*
0.438 mg/l [96 hours]

Acute - LC50 - Fresh water

Fish - Rainbow trout, donaldson trout -
Oncorhynchus mykiss
1.41 ppm [96 hours]

Acute - EC50 - Marine water

Algae - Haptophyte - *Isochrysis*

Effect: Reproduction

Effect: Mortality
US EPA

Effect: Population

Section 12. Ecological information

galbana - Exponential growth phase

Age: 4 to 5 days

3.05 mg/l [96 hours]

Acute - EC50 - Fresh water

Effect: Development

Daphnia - Water flea - *Daphnia magna*

- Embryo

Age: 8 hours

3.26 mg/l [48 hours]

Chronic - NOEC - Fresh water

Effect: Mortality

Crustaceans - European crayfish -

Astacus astacus - Egg

3000 ppm [21 days]

Chronic - NOEC - Fresh water

Effect: Cells

Fish - Nile tilapia - *Oreochromis*

niloticus - Fingerling

Weight: 1.8 g

1.56 mg/l [12 weeks]

methanol

Acute - LC50 - Marine water

Effect: Mortality

Crustaceans - Common shrimp, sand

shrimp - *Crangon crangon* - Adult

2500 mg/l [48 hours]

Acute - LC50 - Fresh water

Effect: Mortality

Fish - Zebra danio - *Danio rerio* - Egg

Age: 12

290 mg/l [96 hours]

Chronic - NOEC - Marine water

Effect: Reproduction

Algae - Green algae - *Ulva pertusa*

9.96 mg/l [96 hours]

Acute - EC50 - Marine water

Effect: Reproduction

Algae - Green algae - *Ulva pertusa*

Size: 9.4 mm

2736 mg/l [96 hours]

Conclusion/Summary[Product] : Not available.

Persistence and degradability

Product/ingredient name

Result

Formaldehyde, solution

Aerobic - 10 mg/l
99% [28 days] - Readily

OECD 301A [Ready Biodegradability -
DOC Die-Away Test]

Conclusion/Summary[Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Formaldehyde, solution	-	-	Readily
methanol	-	-	Readily

Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
Formaldehyde, solution methanol	0.35 -0.77	- <10	Low Low

Mobility in soil

Soil/water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	ADG	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

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.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

6

Model Work Health and Safety Regulations - Scheduled Substances

<u>Ingredient name</u>	<u>Schedule</u>
methanol	Restricted hazardous chemical [For spray painting if the substance contains more than 1% by volume]

Australia inventory (AIIIC) : All components are listed or exempted.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 13/05/2026

Date of previous issue : No previous validation

Version : 1

Sphera Solutions

Key to abbreviations

: ADG = Australian Dangerous Goods
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 N/A = Not available
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 SGG = Segregation Group
 SUSMP = Standard Uniform Schedule of Medicine and Poisons
 UN = United Nations

Section 16. Any other relevant information

Procedure used to derive the classification

Classification	Justification
ACUTE TOXICITY (oral) - Category 4	Calculation method
ACUTE TOXICITY (inhalation) - Category 4	Calculation method
SKIN CORROSION/IRRITATION - Category 1	Calculation method
SKIN SENSITISATION - Category 1	Calculation method
CARCINOGENICITY - Category 1	Calculation method
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 2	Calculation method

References : Work Health and Safety Regulations 2011, as ammended
 Preparation of Safety Data Sheets for Hazardous Chemicals, Code of Practice, Safe Work Australia
 Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG), National Transport Commission

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.