

Trading name:	NB FORMALDEHYDE CONCENTRATED 5X				
Product code:	FK5X-X**	Revision date:	08 May 2026	Version:	6

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1.	Product identifier	
	Trading name:	NB FORMALDEHYDE CONCENTRATED 5X
	Chemical name:	-
	Catalogue number:	FK5X-X**
1.2.	Relevant identified uses of the substance or mixture and uses advised against	
	Uses:	Concentrated neutral buffered formaldehyde for preparation of 4% buffered solution (pH 7.0)
	Uses advised against:	Only the identified uses are advised.
	Reason why uses advised against:	The product is intended for use only as an <i>in vitro</i> diagnostic medical device and there is no reason to use it for other purposes
1.3.	Details of the supplier of the safety data sheet	
	Supplier:	BioGnost Ltd.
	Address:	Medjugorska 59, Zagreb
	Telephone number:	+385 1 2409 997
	Fax no.:	+385 1 2404 039
	e-mail of competent person:	msds@biognost.hr
	National contact:	-
1.4.	Emergency telephone number	
	National Protection and Rescue Directorate:	112
	Medical information:	+3851 2348-342
	Other information:	-

SECTION 2. Hazards identification		
2.1.	Classification of the substance or mixture	
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)	
	Hazard class and category code:	Hazard statements*:
	Acute Tox. 4	H302
	Skin Irr. 2	H315
	Skin Sens. 1	H317
	Eye Irr. 2	H319
	Acute Tox. 2	H330
	STOT SE 3	H335
	Muta. 2	H341
	Carc. 1B	H350
	STOT SE 2	H371

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2.1.2.	Additional information	
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*For full text of Hazard- and EU Hazard-statements: see Section 16		
2.2.	Label elements	
	Product identification:	NB FORMALDEHYDE CONCENTRATED 5X
	Identification number:	-
	Authorisation number:	-
	Hazard pictograms:	 GHS08  GHS06  GHS07
	Signal word:	Danger
	Hazard statements:	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H350 May cause cancer. H371 May cause damage to organs.
	Precautionary statements:	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. 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/attention.
	Supplemental hazard information (EU):	EUH071 Corrosive to the respiratory tract.
2.3.	Other hazards	
	This substance/mixture does not contain components considered persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (VPvB) at levels of 0.1% and more.	

SECTION 3. Composition/information on ingredients

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CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
50-00-0/ 200-001-8/ 605-001-00-5	01-2119488953- 20-0034	17 – 23 %	formaldehyde, 37%	Carc. 1B; H350 Muta. 2; H341 Acute Tox. 2; H330 Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin. Sens. 1; H317 EUH071
67-56-1/ 200-659-6/ 603-001-00-X	01- 21194333307- 44-XXXX	5- 7 %	methanol	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT SE 1; H370

Specific concentration limits

Formaldehyde, 37%

inhalation: ATE = 100 ppmV (gases)

oral: ATE = 500 mg/kg bw

STOT SE 3; H335: C ≥ 5 % (Eye)

Skin Corr. 1B; H314: C ≥ 25 %

Skin Irrit. 2; H315: 5 % ≤ C < 25 %

Eye Irrit. 2; H319: 5 % ≤ C < 25 %

Methanol

STOT SE 1; H370: C ≥ 10%

STOT SE 2; H371: 3 % ≤ C < 10 %

SECTION 4. First aid measures

4.1.	Description of first aid measures	
	General notes:	Immediately remove all the contaminated and wet clothes and footwear. The first responder should also take care of self-protection. Toxicity symptoms may occur several hours after the exposure, that is why medical supervision is necessary for at least 48 hours.
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. Gas mask may be removed only after removing contaminated clothes. In case of respiratory arrest, provide artificial respiration (while not exposing the provider). In case of unconsciousness, transport the afflicted person in the lateral position. Seeking medical advice is advised.
	Following skin contact:	Take off immediately all contaminated clothing and footwear. Skin that came into contact with the material must be thoroughly washed using water and soap for skin cleaning for at least 20 minutes.
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.

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	Following ingestion:	Do not induce vomiting. Rinse the oral cavity, drink at most 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.
	Self-protection of the first aider:	-

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

	Following inhalation:	Irritation of the mucous membrane of the nose/throat may occur (burning sensation, urge to sneeze, runny nose). High concentration may cause difficult breathing, coughing fits, chest tightness, headache, vertigo and drowsiness.
	Following skin contact:	Irritation, redness with stinging and pain, skin cracking, rash, swelling, burns, blisters and delayed onset of inflammatory processes may occur.
	Following eye contact:	Depending on concentration and exposure time, mucosa stinging, lacrimation, redness and pain may occur, as well as bleeding, delayed onset of inflammatory processes and permanent eyesight damage.
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting (possibly of bloody content).

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

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SECTION 5. Firefighting measures

5.1. Extinguishing media

	Suitable extinguishing media:	water, foam, dry powder, CO ₂ , water spray or alcohol resistant foam
	Unsuitable extinguishing media:	Strong jet of water

5.2. Special hazards arising from the substance or mixture

	Hazardous combustion products:	Formalin solution is not flammable by itself. Gases released from the solution are highly flammable if the solution concentration exceeds 25%. Carbon dioxide and carbon monoxide may form in case of burning, the resulting fumes are heavier than air and may spread along the floor. Explosive mixtures of formaldehyde vapors and air may form during heating and also present danger.
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5.3. Advice for firefighters

	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray, in order to prevent explosion.
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5.4. Additional information

	Remove the container from the hazard zone and cool with water. Make sure the water used for extinguishing fire does not contaminate water surface or groundwaters.
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SECTION 6. Accidental release measures		
6.1.	Personal precautions, protective equipment and emergency procedures	
6.1.1.	For non-emergency personnel	
	Protective equipment:	Use personal protective equipment (see Section 8).
	Accident prevention methods:	Evacuate all non-essential members of staff and those without personal protection vertical to wind direction in order to prevent breathing formaldehyde fumes. Remove all sources of sparks and ignition. Do not smoke.
	Emergency procedures:	Mark the area using proper signs.
6.1.2.	For emergency responders:	
	Wear full gas protective clothes and breathing apparatus. Use appropriate personal protective equipment.	
6.2.	Environmental precautions:	
	Prevent leaking and the poured material spreading, as well as underground and sewage waste water contamination.	
6.3.	Methods and material for containment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.
6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth or other absorbent material). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and involved materials with water.
6.3.3.	Other information:	Do not use tools that may cause sparks.
6.4.	Reference to other sections	
	See Section 7 for information about secure handling. See Section 8 for information about personal protective equipment. See Section 13 for information about containment.	

SECTION 7. Handling and storage		
7.1.	Precautions for safe handling	
7.1.1.	Protection measures	
	Measures to prevent fire:	Use in well ventilated storage rooms. Keep away from sources of heat and ignition. Carry out measures for preventing static electricity.
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.

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	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.
	Other measures:	-
7.1.2.	Advice on general occupational hygiene:	
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.	
7.2.	Conditions for safe storage, including any incompatibilities	
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C.
	Packaging materials:	Manufacturer's original packaging.
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.
	Further information on storage conditions:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection				
8.1.	Control parameters			
Substance	CAS No	Occupational exposure limit values/short term values		Biological limit values
		ppm	mg/m ³	
Formaldehyde	50-00-0	0.3/0.6	0.37/0.74	-
Methanol	67-56-1	200/-	260/-	-
-				
Substance name:	-			
EC No:	-	CAS No:	-	
DNEL				
Industrial				
Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic

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Oral	-	-	-	-
Inhalation	0.75 mg/m ³ (formaldehyde) 130 mg/m ³ (methanol)	- 130 mg/m ³ (methanol)	0,375 mg/m ³ (formaldehyde) 130 mg/m ³ (methanol)	9 mg/m ³ (formaldehyde) 130 mg/m ³ (methanol)
Dermal	-	20 mg/kg t/day (methanol)	0.037 mg/cm ² (formaldehyde)	240 mg/kg t/day (methanol) 20 mg/kg t/day (methanol)

Critical physical parameters: solubility, flammability, corrosivity: -

Consumer

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic
Oral	-	4 mg/kg t/day (methanol)	-	4.1 mg/kg t/day (methanol) 4 mg/kg t/day (methanol)
Inhalation	- 26 mg/m ³ (methanol)	- 26 mg/m ³ (methanol)	0.1 mg/m ³ (formaldehyde) 26 mg/m ³ (methanol)	3.2 mg/m ³ (formaldehyde) 26 mg/m ³ (methanol)
Dermal	-	4 mg/kg t/day (methanol)	0.012 mg/cm ² (formaldehyde)	102 mg/kg t/day (formaldehyde) 4 mg/kg t/day (methanol)

PNEC

Environmental protection target	PNEC
Fresh water	0.44 mg/l (formaldehyde) 20.8 mg/l (methanol)
Freshwater sediments	2.3 mg/kg (formaldehyde) 77 mg/kg (methanol)
Marine water	0.44 mg/l (formaldehyde) 2.08 mg/l (methanol)
Marine sediments	2.3 mg/kg (formaldehyde) 7.7 mg/kg (methanol)
Food chain	No information available
Microorganisms in sewage treatment	0.19 mg/l (formaldehyde) 100 mg/l (methanol)
Soil (agricultural)	0.2 mg/kg (formaldehyde) 100 mg/kg (methanol)

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Air		No information available
8.2.	Exposure controls	
8.2.1.	Appropriate engineering controls	
	Substance/mixture related measures to prevent exposure during identified uses:	Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.
	Structural measures to prevent exposure:	No information available.
	Organisational measures to prevent exposure:	Organization of work in order to reduce other worker's influence during work process.
	Technical measures to prevent exposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.
8.2.2.	Personal protection equipment	
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face; protective gas mask that covers the entire face in case of higher levels of concentration in air.
8.2.2.2.	Skin protection	
	Hand protection:	Protective gloves must be according to the EU Directive EU 2016/425/EEC and the EN 374 standard. Full contact: Glove material: nitrile rubber Glove thickness: 0.4 mm Time until perforation: 480 min Splash contact: Glove material: nitrile rubber Glove thickness: 0.2 mm Time until perforation: 60 min
	Other body parts protection:	Wear protective suit with long sleeves that protects from chemicals and shoes that cover the entire foot.
8.2.2.3.	Respiratory protection:	Use mask that covers the entire face. Recommended filter type: ABEK. Use respirators and components tested according to and approved by the standard (EU).
8.2.2.4.	Thermal hazards:	No information available
8.2.3.	Environmental exposure controls	
	Substance/mixture related measures to prevent exposure:	See Section 6
	Structural measures to prevent exposure:	Use modern equipment.
	Organisational measures to prevent exposure:	Adapt the work process to the required working conditions of the workplace.

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Technical measures to prevent exposure:	See Section 6
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SECTION 9. Physical and chemical properties			
9.1.	Information on basic physical and chemical properties		
		Value	Method
	Physical state:	liquid	No information available
	Color:	colorless	No information available
	Odor (odor threshold):	sharp/no information available	No information available
	Melting point / freezing point:	No information available	No information available
	Boiling point or initial boiling point and boiling temperature range:	No information available	No information available
	Flammability	No information available	No information available
	Lower and upper explosiveness levels:	No information available	No information available
	Flash point:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	pH:	6.4 - 6.9 (neutral buffered)	No information available
	Kinematic viscosity	No information available	No information available
	Solubility(ies):	No information available	No information available
	Partition coefficient: n-octanol/water (log Kow):	No information available	No information available
	Vapor pressure:	No information available	No information available
	Density and/or relative density:	No information available	No information available
	Relative vapor density:	No information available	No information available
	Particle properties:	No information available	No information available
9.2.	Other information		
	-		

SECTION 10. Stability and reactivity		
10.1.	Reactivity:	No information available.
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using. Keep away from sources of heat and ignition.

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10.3.	Possibility of hazardous reactions:	Explosion hazard when in contact with: nitric acid, hydrogen peroxide, nitromethane, acids, phenol, nitrogen dioxide Exothermic reactions occur with the following substances: bases, nitrides, polymerization initiators, sodium hydroxide, potassium permanganate, furfuryl alcohol, highly oxidizing agents, perchloric acid with aniline, hydrochloric acid, magnesium carbonate.
10.4.	Conditions to avoid:	Sources of heat, sparks, ignition, and low temperature.
10.5.	Incompatible materials:	Highly oxidizing agents, acids, bases and different metals, steel manufactured by melting, copper.
10.6.	Hazardous decomposition products:	See Section 5.

SECTION 11. Toxicological information					
11.1.	Information on danger classes as defined by the Regulation (EC) 1272/2008				
	Acute toxicity:				
Route of exposure:	Method	Species	Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Results
Oral exposure:	No information available	rat	LD ₅₀	No information available	100 mg/kg (formaldehyde) 100 mg/kg (methanol)
Dermal:	No information available	rabbit	LD ₅₀	No information available	300 mg/kg (formaldehyde) 300 mg/kg (methanol)
Inhalation exposure:	No information available	rat	LC ₅₀	4 h	3 mg/l (formaldehyde) 3 mg/kg (methanol)
	Specific target organ toxicity – single exposure (STOT SE):				
	Specific effects			Target organ	Note
Oral exposure:	No information available			No information available	-
Dermal exposure:	No information available			No information available	-
Inhalation exposure:	insomnia and vertigo			respiratory system	respiratory system irritation
	Aspiration hazard:		possible respiratory system irritation		

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Irritation and corrosion						
Exposure time		Species	Evaluation	Method	Note	
Skin corrosion/irritation:	-	-	-	-	highly corrosive to skin surface and mucus	
Serious eye damage/irritation	-	-	-	-	highly irritating for the eyes, can cause serious eye injury	
Sensitization						
Dermal exposure:	May cause allergic skin reaction.					
Inhalation exposure:	Allergic persons may display irritation.					
Symptoms related to the physical, chemical and toxicological characteristics						
Oral exposure:	If swallowed it can cause severe burns to mouth and throat, and danger of esophagus and stomach perforation.					
Dermal exposure:	Depending on concentration and exposure time, redness accompanied by sensation of stinging and pain may occur, as well as burns and blistering.					
Inhalation exposure:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and shortness of breath. Inhalation may cause formation of oedema in respiratory tract and may cause damage.					
Eye exposure:	Causes serious eye damage. Fumes may cause lacrimal irritation (tearing), blindness hazard.					
Repeated dose toxicity (subacute, subchronic, chronic)						
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-

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Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-

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	Specific target organ toxicity – repeated exposure (STOT RE):					
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	Specific effects	Target organ	Note
Subacute oral	No information available	No information available	-
Subacute dermal	No information available	No information available	-
Subacute inhalation	No information available	No information available	-
Subchronic oral	No information available	No information available	-
Subchronic dermal	No information available	No information available	-
Subchronic inhalation	No information available	No information available	-
Chronic oral	No information available	No information available	-
Chronic dermal	No information available	No information available	-
Chronic inhalation	No information available	No information available	-

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	CMR effects (carcinogenicity, mutagenicity, reproductive toxicity)		
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	Carcinogenicity:	May cause cancer.
	Mutagenicity <i>in-vitro</i> :	No information available.
	Genotoxicity:	Probably causes genetic damage.
	Mutagenicity <i>in-vivo</i> :	No information available.
	Germ cell mutagenicity:	No information available.
	Reproductive toxicity:	No information available.

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	Summary of evaluation of the CMR properties:	No information available
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11.2.	Information on other hazards
11.2.1.	Endocrine disruption properties:
	Substance/mixture does not contain components considered to have endocrine disruption according to Article 57(f), regulation on registration, assessment, approval and restricting chemicals (REACH), or delegated Regulation (EU) 2017/2100 or (EU) 2018/605 at levels of 0.1% or above.
11.2.2.	Other information:
	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.

SECTION 12. Ecological information						
12.1.	Toxicity					
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	<i>Pimephales promelas</i>	-	6.7 mg/l (formaldehyde) 15.400 mg/l (methanol)	-
Crustacea:	EC ₅₀	48 hours	<i>Daphnia magna</i>	-	5.8 mg/l (formaldehyde)	-
Algae/aquatic plants	IC ₅₀	8 days	algae	-	4.89 mg/l (formaldehyde)	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

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12.2.		Persistence and degradability									
		Abiotic degradation									
		Degradation half-lives		Method		Evaluation		Note			
Marine water		No information available		No information available		No information available		-			
Fresh water		No information available		No information available		No information available		-			
Air		No information available		No information available		No information available		-			
Soil		No information available		No information available		No information available		-			
		Biodegradation									
% Degradation		Time (days)		Method		Evaluation		Note			
>90%		5 days		No information available		No information available		extremely biodegradable			
12.3.		Bioaccumulative potential									
		Partition coefficient: n-octanol/water (log Kow):									
Value		Concentration		pH	°C	Method		Evaluation		Note	
-		No information available		-	-	No information available		No information available		No bioaccumulation expected	
		Bioconcentration factor (BCF)									
Value		Species			Method		Evaluation		Note		
No information available		No information available			No information available		No information available		-		
		Chronic ecotoxicity									
Value		Dose	Exposure time	Species		Method	Evaluation		Note		

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Chronic toxicity on fish	LC ₅₀	No information available	No information available	No information available	No information available	-
Chronic toxicity on crustacea (<i>Daphnia</i>)	EC ₅₀	No information available	No information available	No information available	No information available	-

12.4. Mobility in soil

Known or predicted distribution in environmental compartments:					
No information available					
Surface tension:					
	Value	°C	Concentration	Method	Note
	No information available	No information available	No information available	No information available	-

Adsorption / desorption

Transport	A/D coefficient Henry's constant		log K _{ow}	Evaporation rate	Method	Note
Soil-water	No information available		No information available	No information available	No information available	-
Water-air	No information available		No information available	No information available	No information available	-
Soil-air	No information available		No information available	No information available	No information available	-

12.5. Results of PBT and vPvB assessment

This substance/mixture does not contain components considered persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (VPvB) at levels of 0.1% and more.	
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12.6. Endocrine disruption properties:

Substance/mixture does not contain components considered to have endocrine disruption according to Article 57(f), regulation on registration, assessment, approval and restricting chemicals (REACH), or delegated Regulation (EU) 2017/2100 or (EU) 2018/605 at levels of 0.1% or above.	
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12.7.	Other adverse effects
	No information available.

SECTION 13. Disposal considerations

13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Waste material must be disposed of according to the national and local rules and regulations. Do not mix with other sorts of waste. Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	15 01 10: packaging that contains residual hazardous substances or is contaminated with hazardous substances
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge.
13.1.6.	Relevant Community provisions:
	Act on Sustainable Waste Management.

SECTION 14. Transport information

	Transporting/shipment by road (ADR)
UN number:	Not applicable
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
	Transporting/shipment by rail (RID)

Trading name:	NB FORMALDEHYDE CONCENTRATED 5X				
Product code:	FK5X-X**	Revision date:	08 May 2026	Version:	6

UN number:	Not applicable
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Inland waterway transport (ADN)	
UN number:	Not applicable
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by sea (IMDG)	
UN number:	Not applicable
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Transporting/shipment by air (ICAO-TI/IATA-DGR)	
UN number:	3334
UN proper shipping name:	Aviation regulated liquid, n.o.s. (formaldehyde)
Transport hazard class(es):	9
Packing group:	III
Environmentally hazardous:	None
Special precautions for user:	no information
Further information:	
Formaldehyde solutions, nonflammable, containing less than 25% of formaldehyde do not adhere to the ADR regulations.	

SECTION 15. Regulatory information	
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
	EU regulations
	Authorization and/or restrictions of use
Authorizations:	-

Trading name:	NB FORMALDEHYDE CONCENTRATED 5X				
Product code:	FK5X-X**	Revision date:	08 May 2026	Version:	6

	Restrictions:	-
	Other EU regulations:	EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council; The European Commission Regulation No. 453/2006 of 2010 on changes and amendments to the Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH); EC Regulation No. 2037/2000 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer; EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals; EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants; Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives Commission Delegated Regulation (EU) 2024/2564
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)	
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act
15.2.	Chemical safety assessment	
	No chemical safety assessment in accordance with the EU REACH Legislation was conducted.	

SECTION 16. Other information		
16.1.	Indication of changes:	-

Trading name:	NB FORMALDEHYDE CONCENTRATED 5X				
Product code:	FK5X-X**	Revision date:	08 May 2026	Version:	6

16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
16.3.	Key literature references and source of data:	Manufacturer's MSDS file
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)	
Classification according to CLP		Classification procedure
-		-
16.5.	Relevant H statements (number and full text)	
	225 301+311+331 302 H: 314 315 317 319 330 335 341 350 370 371 EUH071	Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled. Harmful if swallowed. Causes severe skin burns and eye damage Causes skin irritation. May cause allergic skin reaction. Causes serious eye irritation. Fatal if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer. Causes damage to organs. May cause damage to organs. Corrosive to the respiratory tract.
16.6.	Training advice:	-

Trading name:	NB FORMALDEHYDE CONCENTRATED 5X				
Product code:	FK5X-X**	Revision date:	08 May 2026	Version:	6

16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.
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ANNEX: EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT
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Version	Description / reason of change	Date
6.	Alignment with Commission Delegated Regulation (EU) 2024/2564	08.05.2026.