

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 24.10.2018

Version 30.0

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

1.1 Product identifier

Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

REACH Registration Number This product is a mixture. REACH Registration Number see section 3.

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

Identified uses	Laboratory cleaning, Pharmaceutical production For additional information on uses please refer to the Merck Chemicals portal (www.merckgroup.com).
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1.3 Details of the supplier of the safety data sheet

Company	Merck KGaA * 64271 Darmstadt * Germany * Phone:+49 6151 72-0
Responsible Department	LS-QHC * e-mail: prodsafe@merckgroup.com

1.4 Emergency telephone number	Please contact the regional company representation in your country.
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SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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according to Regulation (EC) No. 1907/2006

Catalogue No. 104002

Product name Formaldehyde solution about 37% stabilized with about 10% methanol Ph
Eur,BP,USP

Acute toxicity, Category 3, Oral, H301

Acute toxicity, Category 3, Inhalation, H331

Acute toxicity, Category 3, Dermal, H311

Skin corrosion, Category 1B, H314

Skin sensitisation, Category 1, H317

Germ cell mutagenicity, Category 2, H341

|| Carcinogenicity, Category 1B, H350

Specific target organ toxicity - single exposure, Category 1, Eyes, H370

Specific target organ toxicity - single exposure, Category 3, Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

|| Danger

Hazard statements

|| H350 May cause cancer.

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.

H370 Causes damage to organs (Eyes).

Precautionary statements

|| Prevention

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Catalogue No. 104002

Product name Formaldehyde solution about 37% stabilized with about 10% methanol Ph
Eur,BP,USP

P201 Obtain special instructions before use.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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 + P310 IF exposed or concerned: immediately call a POISON CENTER or doctor/ physician.

Restricted to professional users.

Reduced labelling (≤125 ml)

Hazard pictograms



Signal word

Danger

Hazard statements

H350 May cause cancer.

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.

H341 Suspected of causing genetic defects.

H370 Causes damage to organs (Eyes).

Precautionary statements

P201 Obtain special instructions before use.

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 soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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 + P310 IF exposed or concerned: immediately call a POISON CENTER or doctor/ physician.

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Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Contains: formaldehyde, Methanol

2.3 Other hazards

None known.

SECTION 3. Composition/information on ingredients

Chemical nature	Aqueous solution of organic compounds.
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3.1 Substance

Not applicable

3.2 Mixture

Hazardous components (REGULATION (EC) No 1272/2008)

Chemical name (Concentration)

CAS-No.	Registration number	Classification
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formaldehyde ($\geq 25\%$ - $< 50\%$)

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

50-00-0	01-2119488953-20-
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XXXX

Acute toxicity, Category 3, H301

Acute toxicity, Category 3, H331

Acute toxicity, Category 3, H311

Skin corrosion, Category 1B, H314

Skin sensitisation, Category 1, H317

Germ cell mutagenicity, Category 2, H341

Carcinogenicity, Category 1B, H350

Methanol ($\geq 10\%$ - $< 20\%$)

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

67-56-1	01-2119433307-44-
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XXXX

Flammable liquid, Category 2, H225

Acute toxicity, Category 3, H301

Acute toxicity, Category 3, H331

Acute toxicity, Category 3, H311

Specific target organ toxicity - single exposure, Category 1, H370

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Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. First aid measures

4.1 Description of first aid measures

General advice

First aider needs to protect himself.

After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician immediately.

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

After swallowing: immediately make victim drink water (two glasses at most). Call a physician immediately. Risk of perforation!

4.2 Most important symptoms and effects, both acute and delayed

Irritation and corrosion, Allergic reactions, Cough, Shortness of breath, inebriation, Dizziness, Headache, Drowsiness, agitation, spasms, Impairment of vision, narcosis, Coma
Risk of blindness!

4.3 Indication of any immediate medical attention and special treatment needed

Mention methanol.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Carbon dioxide (CO₂), Foam, Dry powder

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Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Mixture with combustible ingredients.

Vapours are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders:

Protective equipment see section 8.

6.2 Environmental precautions

Do not let product enter drains. Risk of explosion.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area.

Render harmless: Treatment with excess sodium hydrogen sulfite solution.

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6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Observe label precautions.

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

No metal containers.

Storage conditions

Tightly closed. Protected from light. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorised persons.

Recommended storage temperature see product label.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

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according to Regulation (EC) No. 1907/2006

Catalogue No. 104002

Product name Formaldehyde solution about 37% stabilized with about 10% methanol Ph
Eur,BP,USP

Derived No Effect Level (DNEL)

formaldehyde (50-00-0)

Worker DNEL, longterm	Systemic effects	inhalation	9 mg/m ³
Worker DNEL, longterm	Local effects	inhalation	0,5 mg/m ³
Worker DNEL, acute	Local effects	inhalation	1 mg/m ³
Worker DNEL, longterm	Systemic effects	dermal	240 mg/kg Body weight
Worker DNEL, longterm	Local effects	dermal	0,037 mg/cm ²
Consumer DNEL, longterm	Systemic effects	inhalation	3,2 mg/m ³
Consumer DNEL, longterm	Local effects	inhalation	0,1 mg/m ³
Consumer DNEL, longterm	Systemic effects	dermal	120 mg/kg Body weight
Consumer DNEL, longterm	Local effects	dermal	0,012 mg/cm ²
Consumer DNEL, longterm	Systemic effects	oral	4,1 mg/kg Body weight

Methanol (67-56-1)

Worker DNEL, acute	Systemic effects	dermal	40 mg/kg Body weight
Worker DNEL, acute	Systemic effects	inhalation	260 mg/m ³
Worker DNEL, acute	Local effects	inhalation	260 mg/m ³
Worker DNEL, longterm	Systemic effects	dermal	40 mg/kg Body weight
Worker DNEL, longterm	Systemic effects	inhalation	260 mg/m ³
Worker DNEL, longterm	Local effects	inhalation	260 mg/m ³
Consumer DNEL, acute	Systemic effects	dermal	8 mg/kg Body weight
Consumer DNEL, acute	Systemic effects	inhalation	50 mg/m ³
Consumer DNEL, acute	Systemic effects	oral	8 mg/kg Body weight

SAFETY DATA SHEET

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Catalogue No. 104002

Product name Formaldehyde solution about 37% stabilized with about 10% methanol Ph
Eur,BP,USP

Consumer DNEL, acute	Local effects	inhalation	50 mg/m ³
Consumer DNEL, longterm	Systemic effects	dermal	8 mg/kg Body weight
Consumer DNEL, longterm	Systemic effects	inhalation	50 mg/m ³
Consumer DNEL, longterm	Systemic effects	oral	8 mg/kg Body weight
Consumer DNEL, longterm	Local effects	inhalation	50 mg/m ³

Predicted No Effect Concentration (PNEC)

formaldehyde (50-00-0)

PNEC Fresh water	0,47 mg/l
PNEC Marine water	0,47 mg/l
PNEC Aquatic intermittent release	4,7 mg/l
PNEC Fresh water sediment	2,44 mg/kg
PNEC Marine sediment	2,44 mg/kg
PNEC Soil	0,21 mg/kg
PNEC Sewage treatment plant	0,19 mg/l

Methanol (67-56-1)

PNEC Fresh water	154 mg/l
PNEC Fresh water sediment	570,4 mg/kg
PNEC Marine water	15,4 mg/l
PNEC Soil	23,5 mg/kg
PNEC Sewage treatment plant	100 mg/l

8.2 Exposure controls

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Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye/face protection

Tightly fitting safety goggles

Hand protection

full contact:

Glove material:	Nitrile rubber
Glove thickness:	0,40 mm
Break through time:	> 480 min

splash contact:

Glove material:	polychloroprene
Glove thickness:	0,65 mm
Break through time:	> 240 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 730 Camatril® -Velours (full contact), KCL 720 Camapren® (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet<(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

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Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Other protective equipment

Flame retardant antistatic protective clothing.

Respiratory protection

required when vapours/aerosols are generated.

Recommended Filter type: filter ABEK

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Environmental exposure controls

Do not let product enter drains.

Risk of explosion.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Colour	colourless
Odour	stinging
Odour Threshold	0,05 - 0,125 ppm (Formaldehyde)
pH	2,8 - 4,0 at 20 °C
Melting point	< -15 °C
Boiling point/boiling range	93 - 96 °C at 1.013 hPa

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Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Flash point	62 °C Method: c.c.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	7 %(V) (Formaldehyde)
Upper explosion limit	73 %(V) (Formaldehyde)
Vapour pressure	No information available.
Relative vapour density	No information available.
Density	1,09 g/cm ³ at 20 °C
Relative density	No information available.
Water solubility	at 20 °C soluble
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	No information available.

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Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Explosive properties	Not classified as explosive.
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Oxidizing properties	none
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9.2 Other data

Ignition temperature	ca. 300 °C (Formaldehyde)
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SECTION 10. Stability and reactivity

10.1 Reactivity

Reducing agents

tends to polymerise

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

10.2 Chemical stability

Sensitivity to light

Stabilizer

Methanol

10.3 Possibility of hazardous reactions

Risk of explosion with:

Nitromethane, performic acid, Acids, phenol, Nitric acid, hydrogen peroxide, peracetic acid,
nitrogen dioxide

Exothermic reaction with:

bases, nitrides, polymerisation initiators, Sodium hydroxide, potassium permanganate, furfuryl
alcohol, Strong oxidizing agents

perchloric acid, with, ANILINE

Generates dangerous gases or fumes in contact with:

hydrochloric acid, magnesium carbonate

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Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

10.4 Conditions to avoid

Strong heating.
Exposure to light.

10.5 Incompatible materials

various metals, various alloys, Mild steel, Copper

10.6 Hazardous decomposition products

no information available

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Mixture

Acute oral toxicity

LD50: 212,77 mg/kg

Calculation method

Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Acute inhalation toxicity

Symptoms: mucosal irritations, Cough, Shortness of breath, Inhalation may lead to the formation of oedemas in the respiratory tract., Possible damages:, damage of respiratory tract

Acute toxicity estimate: 6,55 mg/l; 4 h ; vapour

Calculation method

Acute dermal toxicity

Acute toxicity estimate : 638,47 mg/kg

Calculation method

Symptoms: Blistering, Fissuring

Acute toxicity estimate : 638,47 mg/kg

Calculation method

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Skin irritation

Mixture causes burns.

Eye irritation

Mixture causes serious eye damage. Lacrimal irritation due to vapours. Risk of blindness!

Sensitisation

Mixture may cause an allergic skin reaction.

Germ cell mutagenicity

This information is not available.

Carcinogenicity

This information is not available.

Reproductive toxicity

This information is not available.

Teratogenicity

This information is not available.

CMR effects

Carcinogenicity:

Possible carcinogen.

Mutagenicity:

Evidence of genetic defects.

Specific target organ toxicity - single exposure

Mixture causes damage to organs.

Target Organs: Eyes

Mixture may cause respiratory irritation.

Target Organs: Respiratory system

Specific target organ toxicity - repeated exposure

This information is not available.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Aspiration hazard

This information is not available.

11.2 Further information

Systemic effects:

inebriation, Dizziness, Headache, Drowsiness, acidosis, drop in blood pressure, agitation, spasms, Impairment of vision, narcosis, Coma

Damage to:

Liver, Kidney, Cardiac, Cornea

Other dangerous properties can not be excluded.

This substance should be handled with particular care.

Components

formaldehyde

Acute oral toxicity

LD50 Rat: 100 mg/kg

(Lit.)

Acute inhalation toxicity

Acute toxicity estimate: 3,1 mg/l; vapour

Expert judgement

Acute dermal toxicity

Acute toxicity estimate : 300,1 mg/kg

Expert judgement

Methanol

Acute oral toxicity

LDLO human: 143 mg/kg

(RTECS)

Acute toxicity estimate: 100,1 mg/kg

Expert judgement

Acute inhalation toxicity

LC50 Rat: 131,25 mg/l; 4 h ; vapour

(ECHA)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No. 104002

Product name Formaldehyde solution about 37% stabilized with about 10% methanol Ph
Eur,BP,USP

Acute dermal toxicity

LD50 Rabbit: ca. 17.100 mg/kg
(External MSDS)

Acute toxicity estimate : 300,1 mg/kg
Expert judgement

Skin irritation

Rabbit
Result: No skin irritation

(ECHA)

Eye irritation

Rabbit
Result: No eye irritation

(ECHA)

Sensitisation

Sensitisation test: Guinea pig
Result: negative
Method: OECD Test Guideline 406

Repeated dose toxicity

Rat
male and female
Inhalation
vapour
28 d
daily
NOAEL: 6,66 mg/l
OECD Test Guideline 412

Subacute toxicity

Rat
male and female
Inhalation
365 d

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

daily

NOAEL: 0,13 mg/l

LOAEL: 1,3 mg/l

OECD Test Guideline 453

Germ cell mutagenicity

Genotoxicity in vivo

Micronucleus test

Mouse

male and female

Intraperitoneal injection

Result: negative

Method: OECD Test Guideline 474

Genotoxicity in vitro

Ames test

Salmonella typhimurium

Result: negative

Method: OECD Test Guideline 471

In vitro mammalian cell gene mutation test

Chinese hamster lung cells

Result: negative

Method: OECD Test Guideline 476

SECTION 12. Ecological information

Mixture

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

12.6 Other adverse effects

Additional ecological information

Caustic even in diluted form. Disinfectant effect. Endangers drinking-water supplies if allowed to enter soil and/or waters in large quantities.

Discharge into the environment must be avoided.

Components

formaldehyde

Partition coefficient: n-octanol/water

log Pow: 0,021

(Lit.) Bioaccumulation is not expected.

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

Methanol

Toxicity to fish

flow-through test LC50 *Lepomis macrochirus* (Bluegill sunfish): 15.400 mg/l; 96 h

US-EPA

Toxicity to daphnia and other aquatic invertebrates

static test EC50 *Daphnia magna* (Water flea): > 10.000 mg/l; 48 h

DIN 38412

Toxicity to algae

static test EC50 *Pseudokirchneriella subcapitata* (green algae): ca. 22.000 mg/l; 96 h

OECD Test Guideline 201

Toxicity to bacteria

static test IC50 activated sludge: > 1.000 mg/l; 3 h

Analytical monitoring: yes

OECD Test Guideline 209

SAFETY DATA SHEET

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Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Toxicity to fish (Chronic toxicity)

NOEC *Oryzias latipes* (Orange-red killifish): 7.900 mg/l; 200 h

(External MSDS)

Biodegradability

99 %; 30 d

OECD Test Guideline 301D

Readily biodegradable

Biochemical Oxygen Demand (BOD)

600 - 1.120 mg/g (5 d)

(IUCLID)

Chemical Oxygen Demand (COD)

1.420 mg/g

(IUCLID)

Theoretical oxygen demand (ThOD)

1.500 mg/g

(Lit.)

Ratio BOD/ThBOD

BOD5 76 %

Closed Bottle test

Partition coefficient: n-octanol/water

log Pow: -0,77

(experimental)

(Lit.) Bioaccumulation is not expected.

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

Stability in water

2,2 yr

reaction with hydroxyl radicals (IUCLID)

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SECTION 13. Disposal considerations

Waste treatment methods

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

SECTION 14. Transport information

Land transport (ADR/RID)

14.1 UN number	UN 2209
14.2 Proper shipping name	FORMALDEHYDE SOLUTION
14.3 Class	8
14.4 Packing group	III
14.5 Environmentally hazardous	--
14.6 Special precautions for user	yes
Tunnel restriction code	E

Inland waterway transport (ADN)

Not relevant

Air transport (IATA)

14.1 UN number	UN 2209
14.2 Proper shipping name	FORMALDEHYDE SOLUTION
14.3 Class	8
14.4 Packing group	III
14.5 Environmentally hazardous	--
14.6 Special precautions for user	no

Sea transport (IMDG)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

14.1 UN number	UN 2209
14.2 Proper shipping name	FORMALDEHYDE SOLUTION
14.3 Class	8
14.4 Packing group	III
14.5 Environmentally hazardous	--
14.6 Special precautions for user	yes
EmS	F-A S-B
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
Not relevant	

SECTION 15. Regulatory information

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

EU regulations

Major Accident Hazard	SEVESO III
Legislation	ACUTE TOXIC H2 Quantity 1: 50 t Quantity 2: 200 t SEVESO III Methanol 22 Quantity 1: 500 t Quantity 2: 5.000 t

Occupational restrictions	Take note of Dir 94/33/EC on the protection of young people at work. Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.
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Regulation (EC) No 1005/2009 on substances that not regulated
deplete the ozone layer

SAFETY DATA SHEET

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Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC	not regulated
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Substances of very high concern (SVHC)	This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of ≥ 0.1 % (w/w).
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National legislation

Storage class	6.1C
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15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out according to regulation (EC) No. 1907/2006 (REACH) for this substance.

SECTION 16. Other information

Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H370	Causes damage to organs.

Training advice

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No. 104002

Product name Formaldehyde solution about 37% stabilized with about 10% methanol Ph
Eur,BP,USP

Provide adequate information, instruction and training for operators.

Labelling

Hazard pictograms



Signal word

Danger

Hazard statements

H227 Combustible liquid.

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 (Eyes).

Precautionary statements

Prevention

P201 Obtain special instructions before use.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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 + P310 IF exposed or concerned: immediately call a POISON CENTER or doctor/ physician.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Catalogue No.	104002
Product name	Formaldehyde solution about 37% stabilized with about 10% methanol Ph Eur,BP,USP

Further information

Restricted to professional users.

Contains: formaldehyde, Methanol

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

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

Regional representation

This information is given on the authorised Safety Data Sheet for your country.

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.