

# **SAFETY DATA SHEET**

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	1. IDENTIFICAT	ΓΙΟΝ		
<u>Product identifier</u> Product Name	Formaldehyde Standard Solution	4000 mg/l as CH₂O		
Other means of identification Product Code(s)	2257310			
Safety data sheet number	M01181			
<u>Recommended use of the che</u> Recommended Use Uses advised against Restrictions on use	mical and restrictions on use Water Analysis. Standard solutior Consumer use. None.	٦.		
Details of the supplier of the safety data sheet				
Manufacturer Address Hach Company, P.O.Box 389, Loveland, CO 80539, USA, +1(970) 669-3050				

#### Emergency telephone number

+1(303) 623-5716 - 24 Hour Service

## 2. HAZARDS IDENTIFICATION

#### Classification

#### **Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
Carcinogenicity	Category 1B

## Hazards not otherwise classified (HNOC)

Not applicable

#### Label elements

Signal word Danger



Hazard statements

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H317 - May cause an allergic skin reaction H350 - May cause cancer

#### **Precautionary statements**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves, protective clothing, eye protection, and face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P363 - Wash contaminated clothing before reuse
P501 - Dispose of contents/ container to an approved waste disposal plant
P201 - Obtain special instructions before use
P308 + P313 - IF exposed or concerned: Get medical advice/attention

P405 - Store locked up

Other Hazards Known

Causes mild skin irritation

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance

Not applicable

<u>Mixture</u>

#### Chemical Family Chemical nature

Mixture. aqueous solution.

#### Percent ranges are used where confidential product information is applicable.

Chemical name	CAS No	Percent Range	HMRIC #
Formaldehyde	50-00-0	<1%	-
Methanol	67-56-1	<1%	-

## 4. FIRST AID MEASURES

#### **Description of first aid measures**

General advice	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Most important symptoms and effe	cts, both acute and delayed
Symptoms	Itching. Rashes. Hives.
Indication of any immediate medica	I attention and special treatment needed
Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES				
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Unsuitable Extinguishing Media	Caution: Use of water spray when fighting fire may be inefficient.			
Specific hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by skin contact.			
Hazardous combustion products	Formaldehyde. Carbon monoxide, Carbon dioxide.			
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gea Use personal protection equipment.			
	6. ACCIDENTAL RELEASE MEASURES			
U.S. Notice	Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations should respond to a spill involving chemicals.			
Personal precautions, protective e	quipment and emergency procedures			
Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.			
Other Information	Refer to protective measures listed in Sections 7 and 8.			
Environmental precautions				
Environmental precautions	See Section 12 for additional ecological information.			
Methods and material for containm	ent and cleaning up			
Methods for containment	Prevent further leakage or spillage if safe to do so.			
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal.			
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.			
Reference to other sections	See section 8 for more information. See section 13 for more information.			

## 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

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## Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Flammability class Not applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

### **Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Formaldehyde	dermal sensitizer;respiratory	TWA: 0.75 ppm	IDLH: 20 ppm
CAS#: 50-00-0	sensitizer	(vacated) TWA: 3 ppm	Ceiling: 0.1 ppm 15 min
	STEL: 0.3 ppm	(vacated) STEL: 10 ppm	TWA: 0.016 ppm
	TWA: 0.1 ppm	(vacated) Ceiling: 5 ppm	
		STEL: 2 ppm	
Methanol	STEL: 250 ppm	TWA: 200 ppm	IDLH: 6000 ppm
CAS#: 67-56-1	TWA: 200 ppm	TWA: 260 mg/m <sup>3</sup>	TWA: 200 ppm
	S*	(vacated) TWA: 200 ppm	TWA: 260 mg/m <sup>3</sup>
		(vacated) TWA: 260 mg/m <sup>3</sup>	STEL: 250 ppm
		(vacated) STEL: 250 ppm	STEL: 325 mg/m <sup>3</sup>
		(vacated) STEL: 325 mg/m <sup>3</sup>	_
		(vacated) SKN*	

Appropriate engineering controls Engineering Controls	Showers Eyewash stations Ventilation systems.
Individual protection measures, su	ch as personal protective equipment
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hand Protection	Wear suitable gloves. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425 and the standard EN 374 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1:2016.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear suitable protective clothing.
General Hygiene Considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.
Thermal hazards	None under normal processing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

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Physical state Appearance Odor	aqueous solution Pungent	Liquid		Color Odor threshold	colorless No informat	on available
Property_			Values			Remarks • Method
Molecular weight	:		Not applicable			
рН			4.07			@ 20 °C
Melting point / fre	ezing point		~ -1 °C / 3	0.2 °F		
Initial boiling poi	nt and boiling rang	е	~ 100 °C /	212 °F		
Evaporation rate			1 (water = 1)			
Vapor pressure			23.702 mm Hg	/ 3.16 kPa at 2	5 °C / 77 °F	-
Relative vapor de	ensity		0.62			
Specific gravity -	VALUE 1		1			
Partition coefficie	ent		Not applicable			
Soil Organic Carl Coefficient	bon-Water Partitior	ı	Not applicable			
Autoignition tem	perature		No data availal	ble		
Decomposition te	emperature		No data availal	ble		
Dynamic viscosit	y		No data availal	ble		
Kinematic viscos	ity		No data availal	ble		

#### Solubility(ies)

## Water solubility

Water solubility classification	Water solubility	Water Solubility Temperature
Soluble	> 1000 mg/L	25 °C / 77 °F

## Solubility in other solvents

Chemical Name	Solubility classification	Solubility	Solubility Temperature
Ethyl alcohol	Soluble	> 1000 mg/L	25 °C / 77 °F

#### **Other information**

**Metal Corrosivity** 

Steel Corrosion Rate Aluminum Corrosion Rate Not applicable Not applicable

## Volatile Organic Compounds (VOC) Content

See ingredients information below

Chemical name	CAS No	Volatile organic compounds (VOC) content	CAA (Clean Air Act)
Formaldehyde	50-00-0	No data available	Х
Methanol	67-56-1	100%	X

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Explosive properties	
Upper explosion limit Lower explosion limit	Not applicable Not applicable
Flammable properties	
Flash point	No data available
Flammability Limit in Air Upper flammability limit: Lower flammability limit:	No data available No data available
Oxidizing properties	No data available.
Bulk density	No data available

## **10. STABILITY AND REACTIVITY**

#### Reactivity Not applicable.

<u>Chemical stability</u> Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

## Possibility of hazardous reactions

None under normal processing.

#### **Hazardous polymerization**

Hazardous polymerization does not occur.

#### Conditions to avoid

None known based on information supplied.

## Incompatible materials

Strong oxidizing agents, strong acids, and strong bases.

## Hazardous decomposition products

Formaldehyde. Carbon dioxide. Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

#### **Product Information**

Inhalation	No known effect based on information supplied.
Eye contact	No known effect based on information supplied.
Skin contact	May cause sensitization by skin contact. Repeated or prolonged skin contact may cause

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allergic reactions with susceptible persons.

Ingestion	No known effect based on information supplied.
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#### Symptoms

Itching. Rashes. Hives.

#### Acute toxicity

Based on available data, the classification criteria are not met

#### Mixture

No data available.

#### **Ingredient Acute Toxicity Data**

Test data reported below.

## **Oral Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Rat LD₅₀	100 mg/kg	None reported	None reported	GESTIS

#### **Dermal Exposure Route**

Chemical na	ime	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Formaldehy (<1%) CAS#: 50-00		Rabbit LD <sub>50</sub>	270 mg/kg	None reported	None reported	GESTIS

#### Inhalation (Dust/Mist) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Rat LC₅₀	0.578 mg/L	4 hours	None reported	LOLI

## Inhalation (Vapor) Exposure Route

#### Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.

## Acute Toxicity Estimations (ATE)

#### The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	No information available mg/kg
ATEmix (dermal)	No information available
ATEmix (inhalation-dust/mist)	107.347 mg/l
ATEmix (inhalation-vapor)	2,500.00 mg/l
ATEmix (inhalation-gas)	No information available

#### Skin corrosion/irritation

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

#### Mixture

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No data available.

### Ingredient Skin Corrosion/Irritation Data

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Standard Draize Test	Human	0.150 mg	72 hours	Corrosive to skin	RTECS
Methanol (<1%) CAS#: 67-56-1	OECD Test 439: In Vitro Skin Irritation: Reconstructed Human Epidermis (Rhe) Test Method		None reported	20 hours	Not corrosive or irritating to skin	ECHA

#### Serious eye damage/irritation

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

#### Mixture

No data available.

## Ingredient Eye Damage/Eye Irritation Data

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Rinse Test	Human	1 ppm	6 minutes	Corrosive to eyes	RTECS
Methanol (<1%) CAS#: 67-56-1	OECD Test 439: In Vitro Skin Irritation: Reconstructed Human Epidermis (Rhe) Test Method		0.05 mL	24 hours	Not corrosive or irritating to eyes	ECHA

#### Respiratory or skin sensitization

May cause sensitization by skin contact.

#### Mixture

No data available.

#### Ingredient Sensitization Data

Test data reported below.

#### **Skin Sensitization Exposure Route**

Chemical name	Test method	Species	Results	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Patch test	Human	Confirmed to be a skin sensitizer	ERMA
Methanol (<1%) CAS#: 67-56-1	OECD Test No. 406: Skin Sensitization	Guinea pig	Not confirmed to be a skin sensitizer	ECHA

## **Respiratory Sensitization Exposure Route**

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Chemical name	Test method	Species	Results	Key literature references and sources for data
· · · ·	IgE Specific Immune Response	Guinea pig	Confirmed to be a respiratory sensitizer	CICAD
CAS#: 50-00-0	Test			

## STOT - single exposure

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

#### Mixture

No data available.

#### **Ingredient Specific Target Organ Toxicity Single Exposure Data** Test data reported below.

## **Oral Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Human LDLo	70 mg/kg	None reported	Gastrointestinal Kidney, Ureter, or Bladder Liver Other changes Ulcerated stomach Other changes	RTECS
Methanol (<1%) CAS#: 67-56-1	Human LD⊾	143 mg/kg	None reported	Lungs, Thorax, or Respiration Dyspnea	RTECS

#### Inhalation (Vapor) Exposure Route

Γ	Chemical name	Endpoint	Reported	Exposure	Toxicological effects	Key literature references and
		type	dose	time		sources for data
Γ	Methanol	Human	300 mg/L	None reported	Lungs, Thorax, or	RTECS
	(<1%)	TCLO			Respiration	
	CAS#: 67-56-1				Other changes	

## STOT - repeated exposure

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

#### Mixture

No data available.

#### **Ingredient Specific Target Organ Toxicity Repeat Exposure Data** Test data reported below.

Oral Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Methanol (<1%) CAS#: 67-56-1	Monkey	2340 mg/kg	3 days	None reported	ECHA

## Inhalation (Vapor) Exposure Route

Chemical name	Endpoint	Reported	Exposure	Toxicological effects	Key literature references and
	type	dose	time		sources for data
Formaldehyde	Human	0.017 mg/L	0.5 days	Eye	RTECS
(<1%)	TCLo			Lungs, Thorax, or	

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CAS#: 50-00-0		Respiration	
		Lacrimation	
		Other changes	

#### **Carcinogenicity**

Classification based on data available for ingredients. Contains a known or suspected carcinogen.

#### Mixture

No data available.

#### **Ingredient Carcinogenicity Data**

Test data reported below.

Chemical name	CAS No	ACGIH	IARC	NTP	OSHA
Formaldehyde	50-00-0	A1	Group 1	Known	Х
Methanol	67-56-1	-	-	-	-

## Legend

ACGIH (American Conference of Governmental Industrial Hygienists)	A2 - Suspected Human Carcinogen
	A1 - Known Human Carcinogen
IARC (International Agency for Research on Cancer)	Group 1 - Carcinogenic to Humans
NTP (National Toxicology Program)	Known - Known Carcinogen
OSHA	X - Present

## Inhalation (Vapor) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Rat	15 mg/L	78 weeks	Olfaction Tumors	RTECS

## Germ cell mutagenicity

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

#### Mixture invitro Data

No data available.

#### Substance invitro Data

Test data reported below.

Chemical name	Test	Cell Strain	Reported dose	Exposure time	Results	Key literature references and sources for data
Methanol (<1%) CAS#: 67-56-1	DNA inhibition	Human lymphocyte	300 mmol/L	None reported	Positive test result for mutagenicity	RTECS

#### Mixture invivo Data

No data available.

## Substance invivo Data

Test data reported below.

#### **Oral Exposure Route**

Chemical name	Test	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
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Methanol	DNA damage	Rat	0.405 mg/kg	None reported	Positive test result for	RTECS
(<1%)	-				mutagenicity	
CAS#: 67-56-1						

## Inhalation (Vapor) Exposure Route

Chemical name	Test	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	Micronucleus test	Human	.000985 mg/L	8.5 years	Positive test result for mutagenicity	RTECS

#### Reproductive toxicity

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

#### Mixture

No data available.

## Ingredient Reproductive Toxicity Data

Test data reported below.

#### Oral Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Methanol	Rat	4118 mg/kg	10 days	Effects on Embryo or Fetus	RTECS
(<1%)	TDLo		-	Specific Developmental	
CAS#: 67-56-1				Abnormalities	
				Ear	
				Eye	
				Fetotoxicity (except death e.g.	
				stunted fetus)	
				Urogenital System	

## Inhalation (Dust/Mist) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Methanol	Rat	0.0026 mg/L	22 days	Effects on Embryo or Fetus	RTECS
(<1%)	TCLO	_		Fetotoxicity (except death e.g.	
CAS#: 67-56-1				stunted fetus)	

## Inhalation (Vapor) Exposure Route

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Formaldehyde (<1%)	Rat TC⊾₀	40 mg/L	14 days	Effects on Embryo or Fetus Fetotoxicity (except death e.g.	RTECS
CAS#: 50-00-0				stunted fetus)	

#### Aspiration hazard

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

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

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

## Unknown aquatic toxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

#### <u>Mixture</u>

#### Aquatic Acute Toxicity No data available.

#### Aquatic Chronic Toxicity No data available.

#### **Substance**

#### Aquatic Acute Toxicity Test data reported below.

Fish

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	96 hours	Morone saxatilis	LC50	6.7 mg/L	PEEN

#### Crustacea

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Formaldehyde (<1%) CAS#: 50-00-0	48 Hours	Daphnia pulex	EC <sub>50</sub>	5.8 mg/L	PEEN

## Aquatic Chronic Toxicity

No data available.

## Persistence and degradability

**Mixture** No data available.

Mixture No data available.

## Partition coefficient

<u>Mobility</u>

#### Soil Organic Carbon-Water Partition Coefficient

## Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

Not applicable

Not applicable

# Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

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US EPA Waste Number

U154 U122

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Formaldehyde	U122	Included in waste	-	U122
50-00-0		streams: K009, K010,		
		K038, K040, K156, K157		
Methanol	-	Included in waste stream:	-	U154
67-56-1		F039		

Special instructions for disposal Incinerate material at an E.P.A. approved hazardous waste facility.

14. TRANSPORT INFORMATION		
DOT	Not regulated	
TDG	Not regulated	
IATA	Not regulated	
IMDG	Not regulated	
Note:	No special precautions necessary.	

Additional information

## **15. REGULATORY INFORMATION**

National Inventories	
TSCA	Complies
DSL/NDSL	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

## International Inventories

EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
TCSI	Complies
AICS	Complies
NZIoC	Complies

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

TCSI - Taiwan Chemical Substances Inventory

AICS - Australian Inventory of Chemical Substances

NZIOC - New Zealand Inventory of Chemicals

## **US Federal Regulations**

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical

or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Formaldehyde (CAS #: 50-00-0)	0.1
Methanol (CAS #: 67-56-1)	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Formaldehyde 50-00-0	100 lb	-	-	Х

## CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Formaldehyde	100 lb	100 lb	RQ 100 lb final RQ
50-00-0			RQ 45.4 kg final RQ
Methanol	5000 lb	-	RQ 5000 lb final RQ
67-56-1			RQ 2270 kg final RQ

#### U.S. - Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS) - Security Issues

Release - Toxic (solution)

## **US State Regulations**

#### California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Formaldehyde (CAS #: 50-00-0)	Carcinogen
Methanol (CAS #: 67-56-1)	Developmental

WARNING: This product can expose you to chemicals including Formaldehyde, Methanol, which are known to the State of California to cause cancer or birth defects or reproductive harm. For more information, go to <u>http://www.P65Warnings.ca.gov</u>

**IMERC:** Not applicable

## U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Formaldehyde 50-00-0	Х	X	Х
Methanol 67-56-1	Х	X	Х

## **U.S. EPA Label Information**

Chemical name	FIFRA	FDA
Methanol	180.0910	-

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Special Comments

#### Additional information

## Global Automotive Declarable Substance List (GADSL)

Chemical name	Global Automotive Declarable Substance List Classifications	Global Automotive Declarable Substance List Thersholds
Formaldehyde	Prohibited Substance (FI)	0.1 %
50-00-0	Prohibited Substance (LR)	
	Declarable Substance (LR)	
	Declarable Substance (FI)	
Methanol	Declarable Substance (FI)	0.6 %
67-56-1	Declarable Substance (LR)	
	Prohibited Substance (FI)	
	Prohibited Substance (LR)	

### **NFPA and HMIS Classifications**

NFPA	Health hazards - 2	Flammability - 0	Instability - 0	Physical and chemical properties -
HMIS	Health hazards - 2 - *	Flammability - 0	Physical hazards - 0	Personal protection - X - I

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

ACGIH	ACGIH (American Conference of Governmental Industrial Hygienists)		
ATSDR	ATSDR (Agency for Toxic Substances and Disease Registry)		
CCRIS	CCRIS (Chemical Carcinogenesis Research Information System)		
CDC	CDC (Center for Disease Control)		
CEPA	CEPA (Canadian Environmental Protection Agency)		
CICAD	CICAD (Concise International Chemical Assessment Documents)		
ECHA	ECHA (The European Chemicals Agency)		
EEA	EEA (European Environment Agency)		
EPA	EPA (Environmental Protection Agency)		
ERMA	ERMA (New Zealands Environmental Risk Management Authority)		
ECOSARS	Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite™		
FDA	FDA (Food & Drug Administration)		
GESTIS	GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance)		

Product Code(s) Issue Date 06-Ja Version 2.5			CH <sub>2</sub> O Revision Date	Formaldehyde Standard Solution 4000 mg/l as 26-Jan-2024
Version 2.5Page 16/16HSDBHSDB (Hazardous Substances Data Bank)INERISINERIS (The National Industrial Environment and Risks Institute)IPCS INCHEMIPCS INCHEM (International Programme on Chemical Safety)IUCLIDIUCLID (The International Uniform Chemical Information Database)NITEJapan National Institute of Technology and Evaluation (NITE)NIHNIIOSH (National Institute for Occupational Safety and Health)LOLILOLI (List of Lists - An International Chemical Regulatory Database)NDFno dataNICNASAustralia National Industrial Chemicals Notification and Assessment Scheme (NICNNIOSH IDLHImmediately Dangerous to Life or HealthOSHAOSHA (Occupational Safety and Health Administration of the US Department of LaPEENPEEN (Pan European Ecological Network)RTECSRTECS (Registry of Toxic Effects of Chemical Substances)SIDSSIDS (Screening Information Dataset) for High Volume ChemicalsSYKEThe Finnish Environment Institute (SYKE)USDAUSDA (United States Department of Commerce)WHOWHO (World Health Organization)			nt and Risks Institute) n Chemical Safety) al Information Database) Evaluation (NITE) Safety and Health) cal Regulatory Database) ification and Assessment Scheme (NICNAS) ministration of the US Department of Labor) ical Substances) ligh Volume Chemicals	
Legend - Sectio	n 8: EXPOSURE C	ONTROLS/PERSONAL P	ROTECTION	
TWA	TWA (time-weight	ed average)	STEL	STEL (Short Term Exposure Limit)
MAC	Maximum Allowab	le Concentration	Ceiling	Ceiling Limit Value
Х	Listed		Vacated	These values have no official status. The only binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations.
SKN* RSP+ C M	Skin designation Respiratory sensit Carcinogen mutagen	ization	SKN+ ** R	Skin sensitization Hazard Designation Reproductive toxicant
Prepared By		Hach Product Compliand	e Department	
Issue Date		06-Jan-2018		
<b>Revision Date</b>		26-Jan-2024		
Revision Note		None		
Dissistant				

**Disclaimer** 

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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End of Safety Data Sheet