

FORMALDEHYDE 39%

Safety Data Sheet

Date of issue: 01/01/2021

Revision No:1

Next Revision date: 01/01/2023

SECTION 1: Identification

1.1. Identification

Product Name : Aqueous Formaldehyde 39%

CAS-No : 50-00-0

Synonyms : Formalin; Methanal; Methylene oxide; Oxymethane; Formic aldehyde; Methyl aldehyde

Chemical Formula : HCHO

1.2. General use

Recommended Use : Chemical Intermediate, Disinfectant, Laboratory/Industrial use.

1.3. Manufacturer

Manufacturer Name : National Company for sulphur products

Address: National Company For Sulphur Products,
Head Office: P.O Box 2951, Riyadh 11461
Email: ncsp@ncsp.com.sa
Tel :011 4647711 Fax: 2170866

Factory: 3rd Industrial Area - Dammam

1.4. Emergency telephone number

Emergency number : Tel. 011 4647711 Fax: 2170866

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

GHS –US Classification

Flam. Liq. 3	H226
Acute Tox. 4 (Oral)	H302
Acute Tox. 3 (Inhalation)	H331
Skin Corr. 1B	H314
Eye Dam. 1	H318
Skin Sens. 1A	H317
Carc. 1B	H350
Aquatic Acute 2	H401

2.2 GHS Label elements, including precautionary statements

GHS-US labeling

Signal Word : **Danger**

Hazard pictograms (GHS-US)



Hazard statements (GHS-US)

: Flammable liquid and vapour, Harmful if swallowed, Causes severe skin burns and eye damage , May cause an allergic skin reaction, Causes serious eye damage, Toxic if inhaled, May cause cancer (Inhalation), Toxic to aquatic life.

<p>Precautionary statements (GHS-US)</p> <p>IF SWALLOWED</p> <p>IF ON SKIN (or hair)</p> <p>IF INHALED</p> <p>If in eyes</p> <p>IF exposed or concerned</p> <p>If skin irritation or rash occurs</p> <p>In case of fire</p>	<p>: Obtain special instructions before use, Do not handle until all safety precautions have been read and understood, Keep away from heat, sparks, open flames, hot surfaces. - No smoking Keep container tightly closed. Ground/bond container and receiving equipment .Use explosion-proof electrical, ventilating, lighting equipment, Use only non-sparking tools, Take precautionary measures against static discharge.Do not breathe mist, vapours, spray. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of the workplace . Avoid release to the environment .Wear protective clothing, protective gloves, eye protection, and face protection.</p> <p>: Rinse mouth. Do NOT induce vomiting</p> <p>: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower</p> <p>: Remove victim to fresh air and keep at rest in a position comfortable for breathing</p> <p>: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>: Get medical advice/attention ,Immediately call a POISON CENTER or doctor/physician.</p> <p>: Get medical advice/attention , Wash contaminated clothing before reuse</p> <p>: Use carbon dioxide (CO₂), powder, alcohol-resistant foam for extinction P403+P233 - Store in well- ventilated place. Keep container tightly closed , Keep cool , Store locked up ,Dispose of contents/container to comply with local, state and federal regulations.</p>
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SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type	Multi-constituent
Name	Formaldehyde, 39% w/w
CAS No	50-00-0
EC no	200-001-8
EC index no	605-001-00-5

Hazardous

Name	CAS #	%	TLV
1. Formaldehyde	50-00-0	30 - 40	Exposure limits: 0.3 ppm (0.37mg/m ³)
2. Methanol	67-56-1	<2.0 %	Exposure limits: 200 ppm (262mg/m ³)
3. Water	7732-18-5	Balance	N/A

SECTION 4: First-aid measures

4.1. Description of first aid measures

<p>General Advice</p> <p>Eye Contact</p> <p>Skin Contact</p> <p>Inhalation</p> <p>Self-protection of the First Aider</p>	<p>: If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.</p> <p>: Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.</p> <p>: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.</p> <p>: Move to fresh air. Obtain medical attention. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Respiratory arrest- artificial respiration or oxygen. Cardiac arrest- perform resuscitation. Victim conscious with labored breathing- half-seated. Victim in shock-on his back with legs slightly raised. Vomiting- prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up).</p> <p>: Use personal protective equipment as required.</p>
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4.2 Immediate medical attention and special treatment, if necessary

Obtain medical assistance.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry-powder, carbon dioxide (CO₂), water mist, foam.

Improper extinguishing media : Do not use water jet

5.2. Specific hazards arising from the chemical

Fire hazard : Notflammable.

Hazardous combustion products : Sulphurous gases (SO_x).

5.3. Special protective equipment and precautions for fire-fighters

Personal protective equipment : Use compressed air equipment when the product is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8

Other Information : Containers close to fire should be removed immediately or cooled with water. Extinguishing water must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use protective equipment as referred to in section 8. Avoid inhalation of vapours and spray mist and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions : Do not allow to enter into sewer, water system or soil.

6.3. Methods and material for containment and cleaning up

Methods for cleaning : Absorb in vermiculite, dry sand or earth and place into containers. Collect in a suitable container and dispose as hazardous waste according to section 13.

Cleaning up : Limit spread of spilled material.

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Ensure adequate ventilation. Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists. Change contaminated clothing.

Hygiene measures : Wash exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store dry and cool in a well ventilated area. Store in tightly closed container.

Conditions to Avoid : Avoid heat.

Packaging compatibilities : Store in original container.

Hints on storage assembly : Keep away from: Acids. Oxidising material.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Formaldehyde, 39% w/w (50-00-0)

USA ACGIH	ACGIH Ceiling (mg/m ³)	0.37 mg/m ³
USA ACGIH	ACGIH Ceiling (ppm)	0.3 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	0.75 ppm
USA OSHA	OSHA PEL (STEL) (ppm)	2 ppm

Formaldehyde (50-00-0)		
USA ACGIH	ACGIH Ceiling (mg/m ³)	0.37 mg/m ³
USA ACGIH	ACGIH Ceiling (ppm)	0.3 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	0.75 ppm
USA OSHA	OSHA PEL (STEL) (ppm)	2 ppm

Methanol (67-56-1)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm

Methanol (67-56-1) USA ACGIH	ACGIH STEL (ppm)	200 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	260 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Wherever possible, engineering control measures such as the isolation or enclosure of systems, should be adopted to control hazardous materials at source.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gas mask with filter type A. Protective goggles. Protective clothing. Face shield.



Hand protection:

Natural rubber Nitrile rubber Neoprene PVC

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2). Sodium Bisulphite 36 - 40 % solution Page 3 of 7 If risk of inhalation of sulfur dioxide: Use respiratory equipment with combination filter, type E2/P2.

Other information:

Do not eat, drink or smoke during use.

The listed protective equipment is a recommendation. A risk assessment of the actual risk may lead to other requirements. Emergency shower and eye wash facilities should be available at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid.

Molecular mass	30.03 g/mol
Colour	Colourless.
Odour	Irritating/pungent odour.
Odour threshold	1 ppm , 1.2 mg/m ³
pH	2.5-4.0
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 60 °C
Self ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.08 g/ml
Solubility	Soluble in ethanol. Soluble in methanol. Soluble in ether. Soluble in acetone. Soluble in chloroform.
Log Pow	-0.78 - 0.0
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

9.2. Other information

VOC content	> 25 %
Other properties	Clear. Physical properties depending on the concentration. Volatile. Substance has acid reaction.

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion	: CO and CO ₂ are formed.
Reacts violently with (strong) oxidizers	: (increased) risk of fire/explosion. Reacts violently with many compounds.
Reacts with (some) acids	: Release of (highly) toxic compounds. Unstabilized product polymerizes.
Reacts with (some) bases	: Release of carbon dioxide with pressure rise and possible bursting of container.

10.2. Chemical stability

May cause decomposition by long-term light influence.
Stabilized - Methanol.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Alkalis, Caustic soda, Permanganates, Strong oxidiser, Aniline, Violent reaction with: Acids, Phenol, Nitric acid, Hydrogen peroxide, => Explosive properties .

10.4. Condition to avoid

Direct light irradiation. Keep away from heat.

10.5. Incompatible materials

Strong bases. Strong oxidizers. Strong acids. metals.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Hydrogen. Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed. Toxic if inhaled.

Formaldehyde, 39% w/w (f)50-00-0	
LD50 oral rat	500 mg/kg
Formaldehyde (50-00-0)	
LD50 oral rat	500 mg/kg
LC50 inhalation rat (ppm)	0.579 ppm/4h
Methanol (67-56-1)	
LD50 oral rat	> 5000 mg/kg (1187-2769 mg/kg bodyweight; Rat; Rat)
LD50 dermal rabbit	15800 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	64000 ppm/4h (Rat)
Water (7732-18-5)	
LD50 oral rat	≥ 90000 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.
 Serious eye damage/irritation : Causes serious eye damage.
 Respiratory or skin sensitisation : May cause an allergic skin reaction.
 Germ cell mutagenicity : Not classified
 Carcinogenicity : May cause cancer (Inhalation).

Formaldehyde, 37% w/w (50-00-0)	
IARC group	1 - Carcinogenic to humans
Formaldehyde (50-00-0)	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	2 - Known Human Carcinogens

Reproductive toxicity : Not classified
 Specific target organ toxicity (single exposure) : Not classified
 Aspiration hazard : Not classified
 Symptoms/injuries after inhalation : Runny nose. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. EXPOSURE TO HIGH CONCENTRATIONS: Possible oedema of the upper respiratory tract. Possible laryngeal spasm/oedema. Respiratory difficulties. Risk of lung oedema.
 Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.
 Symptoms/injuries after eye contact : Corrosion of the eye tissue.
 Symptoms/injuries after ingestion : Nausea. Vomiting. Diarrhoea. AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Dizziness. Blood in vomit. Blood in stool. Shock. Disturbances of consciousness. Change in the haemogramme/blood composition. Change in urine composition. Urine discolouration.
 Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Coughing. Possible inflammation of the respiratory tract. Respiratory difficulties.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water

: Water pollutant (surface water). Harmful to fishes. Harmful to invertebrates (Daphnia). pH shift. Not harmful to activated sludge.

Formaldehyde, 39% w/w (50-00-0)	
LC50 fishes 1	41 mg/l (96 h; Brachydanio rerio; Pure substance)
EC50 Daphnia 1	14.7 mg/l (24 h; Daphnia magna; Pure substance)
LC50 fish 2	62 - 109 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Pure substance)
EC50 Daphnia 2	2 mg/l
TLM fish 1	50 - 200,96 h; Poecilia reticulata; Pure substance
TLM fish 2	10 - 100, Pisces; Pure substance
TLM other aquatic organisms 1	10 - 100,96 h
Threshold limit algae 1	2.5 mg/l (192 h; Scenedesmus quadricauda; Pure substance)
Threshold limit algae 2	0.39 mg/l (192 h; Microcystis aeruginosa; Solution <50%)
Methanol (67-56-1)	
LC50 fishes 1	15400 mg/l (96 h; Lepomis macrochirus; Lethal)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna; Lethal)
LC50 fish 2	10800 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	24500 mg/l (48 h; Daphnia magna)
Threshold limit other aquatic organisms 1	6600 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	530 mg/l (192 h; Microcystis aeruginosa)
Threshold limit algae 2	8000 mg/l (168 h; Scenedesmus quadricauda)

12.2. Persistence and degradability

Formaldehyde, 39% w/w (50-00-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available. No (test) data on mobility of the components of the mixture available. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.64 g O ₂ /g substance
Chemical oxygen demand (COD)	1.06 g O ₂ /g substance
ThOD	1.068 g O ₂ /g substance
BOD (% of ThOD)	(5 day(s)) 0.60
Methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O ₂ /g substance
Chemical oxygen demand (COD)	1.42 g O ₂ /g substance
ThOD	1.5 g O ₂ /g substance
BOD (% of ThOD)	0.8 % ThOD
Water (7732-18-5)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Formaldehyde, 39% w/w (50-00-0)	
Log Pow	-0.78 - 0.0
Bioaccumulative potential	Bioaccumulation: not applicable.
Formaldehyde (50-00-0)	
Log Pow	0.35
Methanol (67-56-1)	
BCF fish 1	< 10 (Leuciscus idus)
Log Pow	-0.77 (Experimental value; Other, Experimental value; Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Water (7732-18-5)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Formaldehyde, 39% w/w (50-00-0)	
Ecology - soil	Toxic to flora.
Methanol (67-56-1)	
Surface tension	0.023 N/m (20 °C)

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations	Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Dehydrate. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. May be discharged to wastewater treatment installation.
Additional information	Hazardous waste according to Directive 2008/98/EC.
Ecology - waste materials	Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport Information

In accordance with DOT	
Transport document description	: UN1198 Formaldehyde solutions, flammable, 3, III
UN-No.(DOT)	: 1198
DOT NA no.	: UN1198
DOT Proper Shipping Name	: Formaldehyde solutions, flammable
Department of Transportation (DOT) Hazard Classes	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid 8 - Corrosive



Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	: B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging	: 4b;150



Exceptions (49 CFR 173.xxx)

DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L
DOT Vessel Stowage Location	:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage	:	40 - Stow "clear of living quarters"
Additional information		
Other information	:	No supplementary information available.
State during transport (ADR-RID)	:	as liquid.

ADR

Transport document description

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1 US Federal regulation

Formaldehyde, 39% w/w (50-00-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	100 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	0.1 %
Formaldehyde (50-00-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	100 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
Methanol (67-56-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

Canada

Formaldehyde, 39% w/w (50-00-0)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class E - Corrosive Material
Formaldehyde (50-00-0)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class E - Corrosive Material
Methanol (67-56-1)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Water (7732-18-5)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carc. 2	H351
Acute Tox. 3 (Inhalation)	H331
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Oral)	H301
Skin Corr. 1B	H314
STOT SE 3	H335
Skin Sens. 1	H317

Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.3; R40 T; R23/24/25 C; R34 R43

Full text of R-phrases: see section 16

15.2.2. National regulations

Formaldehyde, 39% w/w (50-00-0)
Listed on the Canadian Ingredient Disclosure List
Formaldehyde (50-00-0)
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) Listed on the Canadian Ingredient Disclosure List
Methanol (67-56-1)
Listed on the Canadian Ingredient Disclosure List
Water (7732-18-5)
Not listed on the Canadian Ingredient Disclosure List

15.3. US State regulations

Formaldehyde, 39% w/w(50-00-0)

U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	Yes
No significance risk level (NSRL)	40 µg/day

Formaldehyde (50-00-0)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				40 µg/day

Methanol (67-56-1)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
	Yes			40 µg/day

SECTION 16: Other information

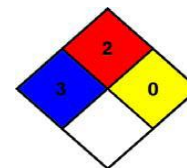
16.1 Full text of H-phrases: see section 16:

Acute Tox. 1 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 2	Hazardous to the aquatic environment — AcuteHazard, Category 2
Carc. 1A	Carcinogenicity, Category 1A
Carc. 1B	Carcinogenicity, Category 1B
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1A	Sensitisation — Skin, category 1A
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
H331	Toxic if inhaled
H350	May cause cancer
H370	Causes damage to organs
H401	Toxic to aquatic life

- NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
- NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

- Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
- Flammability : 2 Moderate Hazard
- Physical : 0 Minimal Hazard
- Personal Protection : H



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Next Revision : 01-January-2023

Prepared by : National Company for sulphur products- Riyadh

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.