

Urea Formaldehyde Concentrate

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Urea Formaldehyde Concentrate
Unique Formula Identifier (UFI) N/A

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

Identified Use(s) For treatment of urea and as resins, adhesives in particle board, plywood and insulating materials, press fabric film, leather, ceramics, insulation foam, stabiliser in gasoline, corrosion inhibitor and in medicines.
Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Company Identification Gulf Formaldehyde Co
Address P.O. Box 50001
Mesaieed, Qatar
Telephone (+974) 44228888
Fax (+974) 44770347
E-mail aawad@qafco.com.qa
Only representative of a non-Community manufacturer
Company Identification MUNTAJAT B.V.
Address Prinses Margrietplantsoen 78-A
2595 BR, La Haye
Pays Bas
Telephone +31(0)70 219 7000
E-mail REACH@muntajatbv.com
Website www.muntajatbv.com

1.4 Emergency telephone number

National Poisons Information Service (Birmingham Centre) +44 111
For Spill, Leak, Fire, Exposure or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 and +1-703-527-3887 (collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 4 :Harmful if swallowed.
Acute Tox. 3 :Toxic in contact with skin.
Skin Corr. 1B :Causes severe skin burns and eye damage.
Skin Sens. 1 :May cause an allergic skin reaction.
Eye Dam. 1 :Causes serious eye damage.
Acute Tox. 3 :Toxic if inhaled.
STOT SE 3 :May cause respiratory irritation.
Muta. 2 :Suspected of causing genetic defects.
Carc. 1B :May cause cancer.

2.2 Label elements

Product Name Urea Formaldehyde Concentrate
Hazard Pictogram(s) According to Regulation (EC) No. 1272/2008 (CLP)



GHS06

GHS05

GHS08

Signal Word(s) Danger

Hazard Statement(s) 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.
H331: Toxic if inhaled.
H335: May cause respiratory irritation.
H341: Suspected of causing genetic defects.
H350: May cause cancer.

Precautionary Statement(s) P201: Obtain special instructions before use.
P260: Do not breathe vapour.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353+P310: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTRE/doctor.

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P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.

P308+P313: IF exposed or concerned: Get medical advice/attention.

Unique Formula Identifier (UFI)

2.3 Other hazards

N/A

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Formaldehyde	50-00-0	200-001-8	56-61	Acute Tox. 3 H301 Acute Tox. 3 H311 Skin Corr. 1B H314 Skin Sens. 1 H317 Acute Tox. 3 H331 Muta. 2 H341 Carc. 1B H350	GHS06 GHS05 GHS08 GHS07
Urea	57-13-6	200-315-5 01-2119463277-33-XXXX	23-26	Not classified	None
Water	7732-18-5	231-791-2	15-20	Not classified	None

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
Formaldehyde	50-00-0	Skin Corr. 1B	C>= 25.00 <= 100.00	Acute Tox. 3 (H301) : 200 Acute Tox. 3 (H311) : 300 Acute Tox. 3 (H331) : 3.000
		Skin Irrit. 2	C>= 5.00 < 25.00	
		Skin Sens. 1	C>= 0.20 <= 100.00	
		Eye Irrit. 2	C>= 5.00 < 25.00	
		STOT SE 3	C>= 5.00 <= 100.00	

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.
For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTRE/doctor. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage. Harmful if swallowed. Toxic by inhalation and in contact with skin. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer.

4.3 Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get medical advice/attention.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	As appropriate for surrounding fire. Water spray, dry powder or carbon dioxide. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	Water jet spray

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Ammonia, Formaldehyde, Formic acid.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages. Do not breathe vapour. Wear appropriate personal protective equipment, avoid direct contact. Wash hands and exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Use neutralising agent. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Flush spill area with copious amounts of water.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe vapour. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature
Storage life
Incompatible materials

Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Ambient.
Stable under normal conditions.
Strong oxidising agents, Acids, Alkalis, Amines

7.3 Specific end use(s)

For treatment of urea and as resins, adhesives in particle board, plywood and insulating materials, press fabric film, leather, ceramics, insulation foam, stabiliser in gasoline, corrosion inhibitor and in medicines.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Formaldehyde	50-00-0	2	2.5	2	2.5	Carc

Region Source
United Kingdom UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark Notes
Carc Capable of causing cancer and/or heritable genetic damage.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear goggles giving complete eye protection.



Skin protection Wear protective clothing and gloves: Impervious gloves.
Type: Neoprene, PVC, Rubber
Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection Wear suitable respiratory protection.

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Thermal hazards Not applicable.

8.2.3. Environmental Exposure Controls Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Colourless.
Odour	Pungent.
Melting point/freezing point	-20 - -30° C
Boiling point or initial boiling point and boiling range	~100° C
Flammability	Non-flammable.
Lower and upper explosion limit	Flammable Limits (Lower) (%v/v): 7.0 Flammable Limits (Upper) (%v/v): 73.0
Flash Point	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
pH	7.5-8.2 @ 25° C
Kinematic Viscosity	Not available.
Solubility	Solubility (Water) : Completely miscible with water. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Log Pow : 0.35 (Formaldehyde)
Vapour pressure	23 hPa @ 20° C
Density and/or relative density	Not available.
Relative vapour density	Not available.
Particle characteristics	Not applicable.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose. Danger of polymerisation.

10.4 Conditions to avoid

Heat and direct sunlight. Protect from frost.

10.5 Incompatible materials

Strong oxidising agents, Acids, Alkalis, Amines

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Calculation method : Harmful if swallowed. Calculated acute toxicity estimate (ATE): 357.14 Formaldehyde: LD50 (oral, rat) mg/kg: 200
Acute toxicity - Skin Contact	Calculation method : Toxic in contact with skin. Calculated acute toxicity estimate (ATE): 535.71
Acute toxicity - Inhalation	Calculation method : Toxic if inhaled. Calculated acute toxicity estimate (ATE): 5.36
Skin corrosion/irritation	Calculation method : Causes severe skin burns and eye damage. No data.
Serious eye damage/irritation	Calculation method : Causes serious eye damage. No data.
Skin sensitization data	Calculation method : May cause an allergic skin reaction. No data.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Suspected of causing genetic defects. No data.
Carcinogenicity	Calculation method : May cause cancer. No data.
Reproductive toxicity	Calculation method : Not classified. No evidence of reproductive effects.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : May cause respiratory irritation. No data.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

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11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

No information on this formulation.
Formaldehyde: Readily biodegradable.

12.3 Bioaccumulative potential

No information on this formulation.
Formaldehyde: Low bioaccumulation potential.

12.4 Mobility in soil

Miscible with water. The product is predicted to have high mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste. Dispose of empty containers and wastes safely.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No. 2209

14.2 UN proper shipping name

UN proper shipping name FORMALDEHYDE SOLUTION

14.3 Transport hazard class(es)

ADR/RID	
ADR/RID Class	8
ADR Classification Code	C9
Special Provisions	533
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	·2X
Packing Instructions for Packages	P001 IBC03 LP01 R001
Mixed Packing Instructions for Packages	MP19
Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1
Tank Code for Tanks	L4BN
Vehicle for Tank Carriage	AT
ADR Transport Category	3
Tunnel Restriction Code	E
Special Provisions for Carriage - Packages	V12
ADR HIN	80
IMDG	
IMDG Class	8
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 LP01 IBC03
Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1
IMDG EMS	F-A, S-B
Stowage and Handling	Category A
Marine Pollutant	Not classified as a Marine Pollutant.
ICAO/IATA	
IATA Proper Shipping Name	FORMALDEHYDE SOLUTION
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited	Y841

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Quantities Packing Instructions	
Passenger and Cargo Aircraft Limited	1L
Quantities Max net Qty	
Passenger and Cargo Aircraft Packing Instructions	
Passenger and Cargo Aircraft Max net Qty	5L
Cargo Aircraft Packing Instructions	856
Cargo Aircraft Max net Qty	60L
Special Provisions	A803
Emergency Response Guidebook (ERG)	8i
Code	
Labels	
Labels	8



14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Maritime transport in bulk according to IMO instruments

No information available

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Formaldehyde (50-00-0)

Community Rolling Action Plan (CoRAP) Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

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LEGEND

Hazard Pictogram(s)

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	GHS06	GHS05	GHS08
	GHS07: GHS: Exclamation mark		
Hazard classification	Acute Tox. 3 : Acute toxicity, Category 3 Acute Tox. 4 : Acute toxicity, Category 4 Skin Corr. 1B : Skin corrosion/irritation, Category 1B Skin Sens. 1 : Skin sensitization, Category 1 Eye Dam. 1 : Serious eye damage/irritation, Category 1 STOT SE 3 : Specific target organ toxicity – single exposure, Category 3 Muta. 2 : Germ cell mutagenicity, Category 2 Carc. 1B : Carcinogenicity, Category 1B		
Hazard Statement(s)	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. H331: Toxic if inhaled. H335: May cause respiratory irritation. H341: Suspected of causing genetic defects. H350: May cause cancer.		
Precautionary Statement(s)	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe vapour. P261: Avoid breathing vapours. P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P312: IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P301+P330+P331+P310: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor. P302+P352: IF ON SKIN: Wash with plenty of water. P303+P361+P353+P310: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTRE/doctor. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor. P308+P313: IF exposed or concerned: Get medical advice/attention. P311: Call a POISON CENTRE/doctor. P312: Call a POISON CENTRE/doctor if you feel unwell. P321: Specific treatment (see Medical Advice on this label). P330: Rinse mouth. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P361+P364: Take off immediately all contaminated clothing. And wash it before reuse. P362+P364: Take off contaminated clothing and wash it before reuse. P363: Wash contaminated clothing before reuse. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.		
Acronyms	ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures EC : European Community IATA : International Air Transport Association IBC : Intermediate Bulk Container ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic		

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REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS
Regulation (EC) No. 1272/2008 (CLP)
Training Advice

Regular safety training as appropriate

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.
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