

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@gafco.com.qa
Only representative of a non-Community manufacturer
Company Identification QatarEnergy Marketing B.V.
Address Prinses Margrietplantsoen 88
2595 BR, La Haye
Pays Bas

E-mail REACH@qatarenergy.qa
Website www.qatarenergy.qa

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



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.
N/A

Unique Formula Identifier (UFI)

2.3 Other hazards

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

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Ambient.

Storage temperature

Storage life

Incompatible materials

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 852
 Instructions
 Passenger and Cargo Aircraft Max net 5L
 Qty
 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 Formaldehyde (50-00-0) 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

Other Not known.

National regulations

Other

Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

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 Regulation (EC) No. 1272/2008 (CLP)
data used to compile the SDS
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.
Gulf Formaldehyde Co gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law.
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