1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Commercial Product Name
Urea-formaldehyde concentrate

Product code
CAS: Not applicable. Mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Recommended use
Industrial use

1.3 Details of the supplier of the safety data sheet
Supplier United Chemical Products Ltd Corp
1 Gapsalskaja Street
P.O.Box 198035 St Petersburg
Russia

Telephone Tel.: +7 812 336-43-99 ext.: 00026562
Telefax Fax: +7 812 495-97-38
Email sales.prs@ucp-is.com

1.4 Emergency telephone number
Reference to other sections 16.6.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Not classified due to inconclusive data.

2.2 Label elements
Not classified due to inconclusive data.

2.3 Other hazards
Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
3.2.1 Hazardous components

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Chemical name of the substance</th>
<th>Concentration Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-00-0</td>
<td>200-001-8</td>
<td>Formaldehyde</td>
<td>25% hygroscopic Carc. Cat. 3; R40; T; R23/24/25; C; R34; R43 Carc. 2, H351; Acute Tox. 3 (); H331; Acute Tox. 3 (); H311; Acute Tox. 3 (); H301; Skin Corr. 1B, H314; Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.2 Inhalation
Remove victim from exposure and then have him lie down in the recovery position. Get medical attention if symptoms occur.

4.1.3 Skin contact
Wash off with plenty of water. Remove and wash contaminated clothing before re-use. Obtain medical attention.

4.1.4 Eye contact
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Obtain medical attention.

4.1.5 Ingestion
Clean mouth with water and drink afterwards plenty of water. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed
No data available

4.3 Indication of immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

Combustible material. Burning produces noxious and toxic fumes. Keep away from heat and sources of ignition.

5.1 Extinguishing media

5.1.1 Suitable extinguishing media
Foam, Dry powder, Carbon dioxide (CO2).

5.1.2 Extinguishing media which must not be used for safety reasons
No data available

5.2 Special hazards arising from the substance or mixture
Formaldehyde vapour.

5.3 Advice for firefighters
Personal protection through wearing a tightly closed chemical protection suit and a self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system.

5.4 Specific methods
No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Impervious clothing. Inform others to keep at a safe distance. Ensure supply of fresh air in enclosed rooms.

6.2 Environmental precautions
Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up
Clean-up methods - small spillage: Soak up with inert absorbent material. Transfer to a suitable container and arrange removal by disposal company. Wash site of spillage with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillage.

6.4 Reference to other sections
For personal protection see section 8.

7. HANDLING AND STORAGE
7.1 **Precautions for safe handling**
Smoking, eating and drinking should be prohibited in the application area. Work under fume hood. Do not inhale fumes. Avoid contact with skin and eyes. Take off all contaminated clothing immediately. Wash hands and face before breaks and immediately after handling the product. Do not empty into drains.

7.2 **Conditions for safe storage, including any incompatibilities**
Store at 15°C to 25°C, in a well-ventilated place. Keep well closed and protected from direct sunlight and moisture.

7.3 **Specific end use(s)**
In the production of carbamide-formaldehyde resin as raw material which contains formaldehyde. Also used in woodworking industry in the production of veneer and fireboards.

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**8. EXPOSURE CONTROLS/PERSOAL PROTECTION**

8.1 **Control parameters**
no data available

8.1.2 **Other information on limit values**
no data available

8.1.3 **Limit values in other countries**
no data available

8.1.4 **DNELs**
no data available

8.1.5 **PNECs**
no data available

8.2 **Exposure controls**
8.2.1 **Appropriate engineering controls**
Process enclosure or mechanical ventilation.

8.2.2 **Individual protection measures**
8.2.2.1 **Respiratory protection**
Wear self-contained breathing apparatus and protective suit.

8.2.2.2 **Hand protection**
Gloves: butyl rubber, nitrile, Viton. Gloves subject to permeation or any sign of degradation must be removed and replaced immediately.

8.2.2.3 **Eye/face protection**
Goggles or face-shield.

8.2.2.4 **Skin protection**
Plastic apron, sleeves, boots, if handling large quantities.

8.2.3 **Environmental exposure controls**
no data available

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

9.1 **Important Health Safety and Environmental Information**
9.1.1 **Appearance**
Liquid colourless

9.1.2 **Odour**
pungent

9.1.3 **Odour threshold**
no data available

9.1.4 **pH**
6.5 - 8.5

9.1.5 **Melting point/freezing point**
no data available

9.1.6 **Initial boiling point and boiling range**
no data available

9.1.7 **Flash point**
no data available
9.1.8 Evaporation rate
9.1.9 Flammability (solid, gas)
9.1.10 Explosive properties
9.1.10.1 Lower explosion limit
9.1.10.2 Upper explosion limit
9.1.11 Vapour pressure
9.1.12 Vapour density
9.1.13 Relative density
9.1.14 Solubility(ies)
9.1.14.1 Water solubility
9.1.14.2 Fat solubility (solvent - oil to be specified)
9.1.15 Partition coefficient: n-octanol/water
9.1.16 Auto-ignition temperature
9.1.17 Decomposition temperature
9.1.18 Viscosity
9.1.19 Explosive properties
9.1.20 Oxidising properties
9.2 Other information
Chromaticity: APHA - 10-30
Refraction index at 20 °C: 1460 -1480

10. STABILITY AND REACTIVITY

10.1 Reactivity
no data available
10.2 Chemical stability
Tend to polymerize, hygroscopic.
10.3 Possibility of hazardous reactions
no data available
10.4 Conditions to avoid
no data available
10.5 Incompatible materials
Polymerization initiators, nitric acid, acids, nitrogen oxides, hydrogen peroxide, oxidizing agents, performic acid, organic nitro compounds/bases.
10.6 Hazardous decomposition products
no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Narcosis, blindness.
11.1.1 Acute toxicity
Inhalation may lead to the formation of oedemas in the respiratory tract.
11.1.2 Irritation and corrosion
Severe eye irritation. Lacrimal irritation due to vapours. Irritate effect (mouth, pharynx, oesophagus, gastrointestinal tract) after ingestion. Risk of perforation in the oesophagus and stomach.
11.1.3 Sensitisation
Danger of skin absorption. Risk of sensitization.
11.4 Subacute, subchronic and prolonged toxicity
After long-term exposure to the chemical possible effects: nasopharyngeal cancer. Should be treated as a suspected carcinogen.

11.5 STOT-single exposure
no data available

11.6 STOT-repeated exposure
no data available

11.7 Aspiration hazard
no data available

11.8 Other information on acute toxicity
Further hazardous properties cannot be excluded. This substance should be handled with particular care.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

12.1.1 Aquatic toxicity
Toxic for aquatic organisms. Disinfectant effect.

12.1.2 Toxicity to other organisms
no data available

12.2 Persistence and degradability

12.2.1 Biodegradation
Good.

12.2.2 Chemical degradation
no data available

12.3 Bioaccumulative potential
Low.

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

13.2 Waste from residues / unused products
When recovery and recycling is not possible, incineration in a high temperature incinerator is the recommended method of disposal.

14. TRANSPORT INFORMATION

14.1 UN number
2209

14.2 UN proper shipping name
no data available

14.3 Transport hazard class(es)
8

14.4 Packing group
III

14.5 Environmental hazards
no data available
SAFETY DATA SHEET

Urea-formaldehyde concentrate

Date 01/12/2010	 Previous date: -

14.6 Special precautions for users
no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
no data available

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2 Chemical safety assessment
This information is not available.

16. OTHER INFORMATION

16.1 Additions, Deletions, Revisions
Version 1.0.

16.2 Key or legend to abbreviations and acronyms
- REACH - according to Regulation (EC) No. 1907/2006
- CLP - Regulation (EC) No. 1272/2008
- DSD - Classification and labelling according to Directive 67/548/EEC

16.3 Key literature references and sources for data
Safety data sheet, VWR International

16.4 Classification procedure
Not applicable.

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

R23/24/25	 Toxic by inhalation, in contact with skin and if swallowed.
R34	 Causes burns.
R40	 Limited evidence of a carcinogenic effect.
R43	 May cause sensitization by skin contact.
H301	 Toxic if swallowed.
H311	 Toxic in contact with skin.
H314	 Causes severe skin burns and eye damage.
H317	 May cause an allergic skin reaction.
H331	 Toxic if inhaled.
H351	 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

16.6 Training advice
Contact a poison control centre. AUSTRIA (Vienna Wien) +43 1 40 400 2222; BELGIUM (Brussels Bruxelles) +32 70 245 245; BULGARIA (Sofia) +359 2 9154 409 / +359 887 435 325; CZECH REPUBLIC (Prague Praha) +42 2 2491 9293 or +42 2 2491 5402; DENMARK (Copenhagen) +45 35 31 54 04; FINLAND (Helsinki ) +358 9 471 977; FRANCE (Paris) +33 1 40 0548 48; GERMANY (Berlin) +49 30 450 653565; GREECE (Athens Athinai) +30 10 779 3777; HUNGARY (Budapest)+36 80 30 11 99; ICELAND (Reykjavik) +354 525 111, +354 543 2222; IRELAND (Dublin) +353 1 8379964; ITALY(Rome) +39 06 305 4343; LATVIA (Riga) +371 704 2468; LITHUANIA (Vilnius) +370 2 36 20 52, +370 2 36 2092; NETHERLANDS (Bilthoven) +31 30 274 88 88; NORWAY (Oslo) +47 22 591300; POLAND (Gdansk) +48 58 301 65 16 or +48 58 349 2831; PORTUGAL (Lisbon Lisboa ) 808 250 143 (for use only in Portugal), +351 21 3303284; ROMANIA (Bucharest) +40 21 230 8000; SLOVAKIA (Bratislava) +421 2 54 77 4 166; SLOVENIA(Ljubljana) +386 41 650 500; SPAIN (Barcelona) +34 93 227 98 33 or +34 93 227 54 00 bleep 190; SWEDEN(Stockholm) +46 8 33 12 31 (International) 112 (National); UNITED KINGDOM (London ) 0870 243 2241.