

SAFETY DATA SHEET

UREA MOULDING COMPOUND

According to Regulation (EC) No 1907/2006 and (EU) No 453/2010

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

1.1. Product identifier

Product name UREA MOULDING COMPOUND
Chemical description Form: Granular. Mixture of Urea Formaldehyde Resin and Alpha-Cellulose.

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

Identified uses Industrial use.

1.3. Details of the supplier of the safety data sheet

Supplier / Manufacturer KÖRFEZ KIMYA SAN. VE TIC. A.S.

Tahtakale, Uzunçarşı Cad.
Milas Han No:132 Kat:2 Daire:211
Mercan-Eminönü-İstanbul/Turkey

Tel:+90 212 5209525
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Contact Person Mr. Hakan TURGUT hakanturgut@korfezkimya.com

1.4. Emergency telephone number

KÖRFEZ KIMYA: +90 212 5209525 (office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) R43.

2.2. Label elements

Contains FORMALDEHYDE <0,3%

Labelling



Irritant

Risk Phrases

R43 May cause sensitisation by skin contact.

Safety Phrases

S24 Avoid contact with skin.
S37 Wear suitable gloves.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

FORMALDEHYDE	< 0,3%
CAS-No.: 50-00-0	EC No.: 200-001-8
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335	Classification (67/548/EEC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Get medical attention if any discomfort continues.

Inhalation

Move into fresh air and keep at rest. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Promptly get affected person to drink large volumes of water to dilute the swallowed chemical.
DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing.
Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes.
Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin contact

Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact

May cause temporary eye irritation. Lachrymation, irritation, redness.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Water spray. Water fog Carbon dioxide (CO₂). Dry chemicals. Foam.

Unsuitable extinguishing media

Data not available.

5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire, toxic gases may be formed (CO_x, NO_x).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Avoid breathing fire vapours.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Collect spillage with shovel, broom or the like and reuse, if possible. Flush area with plenty of water.
Dispose of large amounts of spillage/waste according to agreement with local authorities.

6.4. Reference to other sections

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide good ventilation. Avoid inhalation of dust. Avoid spilling, skin and eye contact.

If workplace exposure limits are exceeded, approved respiratory protection must be used for this particular work.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Containers properly labelled and sealed.

Store away from: Acids. Oxidising materials. Alkalis.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
FORMALDEHYDE	WEL	2 ppm	2.5 mg/m ³	2 ppm	2.5 mg/m ³	

WEL = Workplace Exposure Limit.

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8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory equipment

Use specified dust masks.

Hand protection

Rubber, neoprene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Safety glasses with side-shields.

Skin Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Granular.
Colour	Various colors.
Solubility	Insoluble in water.
pH-Value	Not applicable.
% Moisture	< 5%
Density	0,55-0,65 g/cm ³

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

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According to Regulation (EC) No 1907/2006 and (EU) No 453/2010

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

As a result of polymerization, the product emits vapour which includes trace amount of Formaldehyde.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

Acids. Oxidising materials. Alkalis.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, smoke, and / or nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxic Dose 1 - LD 50 > 2000 mg/kg (oral - rat)

Acute Toxic Conc. – LC50 250 ppm/4h (inh. - rat)

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin contact

Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact

May cause temporary eye irritation.

Toxicological information on ingredients.

FORMALDEHYDE (CAS: 50-00-0)

Acute Toxic Dose 1 - LD 50

800 mg/kg (oral - rat)

Acute Toxic Dose 2 - LD 50

270 mg/kg (dermal - rabbit)

Acute Toxic Conc. - LC 50

480 ppm/4h (inh. - rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

Ecological information on ingredients.

FORMALDEHYDE (CAS: 50-00-0)

LC 50, 96 Hrs, Fish

22.6 - 25.7 mg/l (Pimephales promelas)

EC 50, 48 Hrs, Daphnia

11.3 - 18 mg/l (Daphnia magna)

IC 50, 24 Hrs, Algae

3 mg/l (Scenedesmus sp.) - pH:7,5-7,8 - @25°C

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12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

Dispersible in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

No information required.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Information Sources

This SDS is prepared based on the information received from the product owner.

Revision Comments

The SDS is generated in accordance with the REACH regulation. There is no change in content.

Issued By

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Risk Phrases In Full (Risk phrases of components in section 3)

R34 Causes burns.
R37 Irritating to respiratory system.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

Hazard Statements In Full (Hazard Statements of components in section 3)

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.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.