

SAFETY DATA SHEET

According to Regulation (EU) No 2015/830

CRYSTAL FOIL

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: CRYSTAL FOIL
Product identifier: Hot stamping foils

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

Identified uses: Ready to print transfer adhesive foil

1.3 Details of the supplier of the safety data sheet

Manufacturer: UES Makina Tekstil İnşaat ve Gıda San. Tic. Ltd. Şti.
Address: Kıraç Atatürk Mh. Kasırga Sk. No:6
Esenyurt/İSTANBUL – TÜRKİYE
Phone: +90 212 557 10 40
Fax: +90 212 557 10 43
E-mail: innternational@uesvarak.com

1.4 Emergency telephone number

UES Foils: +90 212 557 10 40
Emergency First Aid Center: 112
National Poison Counseling Center: 114
Fire Department: 110

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

2.2 Label elements

Not a hazardous substance or mixture.

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

3. Composition/information on ingredients

3.2 Mixtures

No components need to be disclosed according to the applicable regulations.

4. First aid measures

4.1 Description of first aid measures

Inhalation

Combustion products can be irritating.

Ingestion

Not applicable.

Skin contact

No irritating effect is expected under normal conditions.

Eye contact

Sharp edges can cause damage in contact with eyes.

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4.2 Most important symptoms and effects, both acute and delayed

No additional information.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. Firefighting measures

5.1 Extinguishing media

Extinguishing media: Carbon dioxide (CO₂) and dry chemical powder.

5.2 Special hazards arising from the substance or mixture

It is flammable but does not ignite easily. Thin films can shrink away from a heat source or flame. Continuous flame application can ignite the material. In addition to burning, melting and dripping which may cause the fire to spread can occur. Combustion emits irritating vapors.

5.3 Advice for firefighters

The main combustion products formed in complete combustion are carbon dioxide and water. Different combustion products may also be formed, but their concentrations are significantly less than carbon dioxide and water. In case of incomplete combustion, various by-products may occur, primarily carbon dioxide, water and carbon monoxide.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2 Environmental precautions

Waste products remaining after handling should be collected in suitable waste containers.

6.3 Methods and material for containment and cleaning up

The product can be mechanically recovered.

6.4 Reference to other sections

See section 13 for waste disposal.

7. Handling and storage

7.1 Precautions for safe handling

It does not require any special or special technical measures.

Do not eat, drink, or smoke in the work area.

No additional measures are required to prevent environmental risks. See section 6.2 for more information.

7.2 Conditions for safe storage, including any incompatibilities

It is recommended to be stored in a cool and well-ventilated environment under the temperature range of 10-30 °C. Avoid excessive dust and moisture. Avoid stacking foil rolls horizontally and on top of each other. Do not expose the foils to heat, direct sunlight and water.

7.3 Specific end use(s)

No additional information.

8. Exposure controls/personal protection

8.1 Control parameters

Exposure limits

Not expected to cause harmful effects under normal conditions of transport and use.

Exposure Limit: Total dust 10mg/m³; Respiratory dust 5 mg/m³. Exposure limits are valid for irritating dusts that can be generated during cold working (eg cutting, grinding and punching).

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8.2 Exposure controls

Protective equipment



Eye/face protection

Special precautions are required for use under normal conditions. Dust mask should be worn while in powder form during application.

Body Protection

Wear suitable gloves to avoid cuts from the sharp edges of thick films.

Respiratory equipment

Wear suitable safety glasses when handling material in cold processes (eg cutting, stamping, grinding).

Environmental Exposure Controls

Not required for normal use.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Solid
Colour	Variable
Odour	Odourless
Solubility	Insoluble in water.
Firts boiling point (°C)	Not applicable.
Vapor pressure (Pa)	Not applicable.
Melting point (°C)	No data available.
Density (g/cm ³)	No data available.
Dynamic viscosity (cP)	Not applicable.
Kinematic viscosity (mm ² /s)	Not applicable.
Vapor density	Not applicable.
Partition Coefficient (N-Octanol/Water)	No data available.
Decomposition temperature (°C)	No data available.
Self ignition temperature (°C)	No data available.
Flash point (°C)	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	No data available.

9.2 Other informations

No information required.

10. Stability and reactivity

10.1 Reactivity

No harmful reactions if stored under suitable conditions.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use. Stable under prescribed storage conditions.

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10.3 Possibility of hazardous reactions

It can decompose and release toxic gas when exposed to high temperature.

10.4 Conditions to avoid

Keep away from flame and water.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

During thermal decomposition, flammable and harmful fumes may be formed: carbon dioxide (CO₂), carbon monoxide (CO), acetaldehyde and ethylene.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

12. Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

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12.6 Other adverse effects

No data available.

13. Disposal considerations

13.1 Waste treatment methods

The product must be disposed of in accordance with official regulations. Do not allow the product to mix into sewers and groundwater.

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

Not applicable.

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.

15. Regulatory information

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

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.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. Other information

Abbreviations

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID:	European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA:	International Air Transport Association.
IBC:	Intermediate Bulk Container- International Code for the Construction and Equipment
IMDG:	International Maritime Dangerous Goods.
MARPOL:	International Convention for the Prevention of Pollution From Ships.
ICAO:	International Civil Aviation Organization.
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent and Very Bioaccumulative

Classification procedures

Not classified.



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