

SAFETY DATA SHEET
KİTRE

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

1.1 **Product name:** Marbling Powder Medium (CELLOSIZE (TM) HYDROXYETHYL CELLULOSE QP-30000-H)

1.2 **Manufacturer:** Lisans Kırtasiye Ofis Gereçleri San. Ve Tic. A.Ş.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1 **Hazardous ingredients:** None.

Component	Amount	Classification:	CAS #	EC #
Hydroxyethyl cellulose##	>= 88.0 %	Not classified.	9004-62-0	Polymer
Sodium acetate##	<= 7,5 %	Not classified.	127-09-3	204-823-8
Water##	<= 5,0 %	Not classified.	7732-18-5	231-791-2
Cellulose#	<= 1,5 %	Not classified.	9004-34-6	232-674-9

Substance(s) with an Occupational Exposure Limit.

Voluntarily disclosed component(s).

2.2 **Classification / symbol:** Not required any symbol.

3. HAZARDS IDENTIFICATION

This product is not classified as dangerous according to EC criteria.

4. FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.

Skin Contact: Wash skin with plenty of water.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to



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do so by medical personnel.

Notes to Physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Emergency Personnel Protection: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Unusual Fire and Explosion Hazards: Do not permit dust to accumulate. When suspended in air dust can pose an explosion hazard. Minimize ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge.

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

6.1 Steps to be Taken if Material is Released or Spilled: Sweep up. Use care to minimize generation of airborne dust. Do not use water for cleanup. Collect in suitable and properly labeled containers.

See Section 13, Disposal Considerations, for additional information.

6.2 Personal Precautions: Material becomes slippery when wet. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

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7. HANDLING AND STORAGE

General Handling: Avoid contact with eyes. Wash thoroughly after handling. Good housekeeping and controlling of dusts are necessary for safe handling of product. No smoking, open flames or sources of ignition in handling and storage area. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Keep away from heat, sparks and flame. Powdered material may form explosive dust-air mixture. Keep container closed. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection

Eye/Face Protection: Use safety glasses (with side shields). Safety glasses (with side shields) should be consistent with EN 166 or equivalent. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

Skin Protection: Wear clean, body-covering clothing.

Hand protection: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). When prolonged or frequently repeated contact may occur, a glove is recommended to prevent contact with the solid material. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In dusty or misty atmospheres, use an approved particulate respirator. Use the following CE approved airpurifying respirator: Particulate filter, type P2.

Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

Engineering Controls

Ventilation: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder

Color White

Odor Mild

Flash Point - Closed Cup No test data available

Flammable Limits In Air Lower: No test data available

Upper: No test data available

Autoignition Temperature > 400 °C Literature

Vapor Pressure Not applicable

Boiling Point (760 mmHg) Not applicable.

Vapor Density (air = 1) Not applicable

Specific Gravity (H₂O = 1) 0.4 - 0.6 Literature

Liquid Density 0.4 - 0.6 g/cm³ Calculated

Freezing Point Not applicable

Melting Point Not applicable

Solubility in water (by weight) completely miscible with water

pH 6.0 - 7.0 Literature

Molecular Weight 10000 - 1000000 g/mol Literature

Decomposition Temperature No test data available

Partition coefficient, noctanol/water (log Pow) No data available for this product.

Percent Volatiles 5 - 8 Wt% Literature

Kinematic Viscosity No test data available

10. STABILITY AND REACTIVITY

Stability/Instability

Thermally stable at typical use temperatures. Hygroscopic.

Conditions to Avoid: Avoid temperatures above 200°C (392°F) Exposure to elevated temperatures can cause product to decompose. Avoid static discharge. Avoid moisture.

Incompatible Materials: Avoid contact with oxidizing materials.

Hazardous Polymerization Will not occur.

Thermal Decomposition Decomposition products depend upon temperature, air supply and the presence of other materials.



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingestion

Very low toxicity if swallowed. Swallowing may result in gastrointestinal irritation. Single dose oral LD50 has not been determined.

For the major component(s): Estimated. LD50, Rat > 8,700 mg/kg

Eye Contact

May cause slight eye irritation. Solid or dust may cause irritation or corneal injury due to mechanical action.

Skin Contact

Prolonged exposure not likely to cause significant skin irritation. Repeated contact may cause slight skin irritation with local redness.

Skin Absorption

Prolonged skin contact is unlikely to result in absorption of harmful amounts. The dermal LD50 has not been determined.

Inhalation

Dust may cause irritation to upper respiratory tract (nose and throat).

Sensitization

Skin

For the major component(s): Did not cause allergic skin reactions when tested in humans.

Repeated Dose Toxicity

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Chronic Toxicity and Carcinogenicity

Similar cellulose did not cause cancer in long-term animal studies.

Developmental Toxicity

Similar cellulose did not cause birth defects or other toxic effects to the fetus in laboratory animal studies.

Reproductive Toxicity

In animal studies, a similar cellulose has been shown not to interfere with reproduction.

Genetic Toxicology

Similar cellulose were negative in both in vitro and animal genetic toxicity studies.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE

Movement & Partitioning

Based largely or completely on component information. Bioconcentration potential is low (BCF less than 100 or log Pow greater than 7). For the major component(s): Expected to be relatively immobile in soil (Koc > 5000). For the minor component(s) Potential for mobility in soil is very high (Koc between 0 and 50).

Persistence and Degradability

For the major component(s): No appreciable biodegradation is expected. For the minor component(s) Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

ECOTOXICITY

For the major component(s): Not expected to be acutely toxic to aquatic organisms. For the minor component(s): Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

14. TRANSPORT INFORMATION

ROAD & RAIL

NOT REGULATED

OCEAN

NOT REGULATED

AIR

NOT REGULATED

INLAND WATERWAYS

NOT REGULATED

15. REGULATORY INFORMATION

European Inventory of Existing Commercial Chemical Substances (EINECS)

This product is a polymer according to the definition in Directive 92/32/EEC (7th Amendment to Directive 67/548/EEC) and all of its starting materials and intentional additives are listed in the European Inventory of Existing Commercial Chemical Substances (EINECS) or in compliance with European (EU) chemical inventory requirements.

EC Classification and User Label Information

This product is not classified as dangerous according to EC criteria.
Safety data sheet available for professional users on request.



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16. OTHER INFORMATION

Product Literature

Additional information on this and other Artdeco products may be obtained by visiting our web page at www.lisanskirtasiye.com.tr



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