



**MATERIAL SAFETY DATA SHEET**  
*according to 1907/2006/EC, Article 31*

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**SECTION 1 – Identification of substance**

**Product details:** Product Code FCMM300

**Trade name:** FLEX-C-MENT™ Modifier 300

**Article Number:** 00001

**Application of the substance / the preparation:** EVA based plaster additive

**Manufacturer/Supplier**

DBS Insaat Taah Kimya San ve Tic Ltd Sti

Akse Mah 471 Sok No.15 Cayirova / Gebze – KOCAELI /TURKEY

Tel : +90 262 744 96 32

Fax : +90 262 744 27 14

e-mail : info@dekorbeton.com

**Emergency information:** +90 262 744 96 32

**SECTION 2- Hazards identification**



Xi : Irritant

- R22 harmful if swallowed
- R36 irritating to eyes
- R37 irritating to respiratory system
- R38 irritating to skin
- R43 may cause sensitization by skin contact

**Skin:** This material may cause skin irritation or rash upon prolonged or repeated contact.

**Inhalation:** Excessive exposure to vapors or spray mists can cause irritation of eyes, nose and throat.

**Eyes:** This material may be an eye irritant.

**Primary Route (S) Of Entry:** Inhalation of vapors (especially if strayed or heated).

**Carcinogenicity:** An inhalation study using laboratory animals exposed to high concentrations of vinyl acetate for 6 hours per day, 5 days per week over a two-year period has resulted in the development of nasal tumors. Some of these tumors were shown to be carcinomas. However, at this time, there is not sufficient evidence to indicate that vinyl acetate may cause cancer in humans. There should be minimal risk when used with ventilation adequate to maintain atmospheric concentrations of vinyl acetate below the recommended exposure limit

**SECTION 3 - Composition/information on ingredients**

**Chemical characterization**

**Description:** Mixture of substances listed below with nonhazardous additions.

	<b>Cas No:</b>	<b>EC No:</b>	<b>Pre-Registration Ref. Number</b>
Ethylene-vinyl Acetate Copolymer	10500-08-0	234-029-7	05-2115119372-56-0000
Water	7732-18-5	231-791-2	05-2115121801-61-0000

**SECTION 4- First aid measures**

**Skin:** Wash with soap and water immediately.

**Eyes:** Flush with large quantities of water for 15 minutes and seek medical attention.

**Ingestion:** If ingested call a physician at once

### **SECTION 5- Fire-fighting measures**

**Flammability Class:** 3B Flash Point: >212 Deg. F LEL: N/A

**Extinguishing Media:** Water, carbon dioxide, or dry chemical

**Special firefighting procedures:** Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus.

**Unusual Fire & Explosion Hazards:** None Known.

**Permissible Exposure Level:** The ACGIH TLV and OSHA PEL for vinyl acetate are both set at 10 ppm for an 8-hour TWA and at 20 ppm for the STEL.

### **Mixture HMIS RATING**

**Health = 1      Fire = 0      Reactivity = 0**

### **SECTION 6 - Accidental release measures**

· **Person-related safety precautions:** Wear protective equipment during cleanup.

· **Measures for environmental protection:** this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state, and local regulations.

· **Measures for cleaning/collecting:** Clean up with water before allowing drying. Sodium chloride can be sprinkled on the spill, which may coagulate the latex and facilitate cleaning with water. Place coagulated waste in a closed container.

### **SECTION 7 – Handling and Storage**

#### **Information for safe handling:**

**Ventilation:** General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapors.

**Information about fire - and explosion protection:** Avoid prolonged or repeated inhalation of heated vapors or stray mists. Keep away from heat or open flame.

#### **Storage:**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep container tightly closed.- **DO NOT FREEZE**

### **SECTION 8-Exposure Controls/Personal Protection**

**Additional information:** The lists valid during the making were used as basis.

#### **Personal protective equipment:**

**Protective Gloves:** Chemical-resistant nitrile, neoprene or rubber gloves required.

**Eye Protection:** Wear face shield or chemical goggles.

**Other Protective Equipment:** Wear protective clothing to prevent skin contact. Eye wash station and safety shower should be available.

#### **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

#### **Respiratory protection:**

Not generally required during normal use and handling.

The need for respiratory protection should be evaluated if this material is sprayed or heated in poorly ventilated areas.

**Protection of hands:** Use protective gloves. Chemical-resistant nitrile, neoprene or rubber gloves required.

**Ventilation:** General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapors.

### **SECTION 9-Physical and Chemical Properties**

**Boiling Point:** >212 Deg. F  
**Vapor Density:** Heavier than Air.  
**Volatile:** % 41.0-45.0 by Weight  
**Specific Gravity:** 1.09  
**Evap. Rate:** Slower than n-Butyl Acetate.  
**Appearance:** White liquid with no pronounced odor

### **SECTION 10 - Stability and Reactivity**

**Stability:** <> Unstable <x> Stable  
**Hazardous Polymerization:** <> May occur <x> Will not occur  
**Incompatibility:** None known.  
**Conditions To Avoid:** Keep from freezing  
**Materials to avoid:** There is no specific material may cause severe problem upon expose with this material  
**Hazardous Decomposition Products:** Under severe thermal degradation - low-molecular-weight organic compounds will be formed.

### **SECTION 11 - Toxicological information**

Animal Data:

VINYL ACETATE:

Inhalation 4 hour LC50 (rats): 4,000 ppm

Skin Absorption LD50 (rabbits): 2,335 mg/kg

Oral LD50 (rats): 2,920 mg/kg

Vinyl acetate is a slight skin and a severe eye irritant, and a weak skin sensitizer in animals. No effects from repeated exposure to Vinyl Acetate by inhalation were observed at 100 ppm in rats. Exposure to higher concentrations of Vinyl Acetate by inhalation caused eye irritation and lacrimation, reduced weight gain, and irritation of the respiratory tract with breathing difficulty. The effects observed in rats and mice exposed by inhalation to 200 and 600 ppm for two years include reduced body weight, and pathological changes in the nose and respiratory tract. Nasal cavity tumors were observed in rats but not in mice. Research on the mechanism of nasal tumor induction in rats suggests that levels at which humans are likely to be exposed are below the threshold for effects that contribute to tumor formation. Vinyl Acetate is not a developmental toxic in animals. The effect of Vinyl Acetate on reproduction in animals is not considered significant. Genetic damage was produced in some types of cell cultures and in animals, but was negative in other studies. No tests for heritable genetic damage were available.

### **SECTION 12 – Ecological Information**

No specific studies have been conducted by DBS on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

### **SECTION 13 - Disposal considerations**

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with Federal, State and local regulations.

EPA hazardous waste number: Not a RCRA hazardous waste..

### **SECTION 14 – Transport Information**

#### **U.S. Department of Transportation Ground (49 CFR):**

**Proper shipping name:** Not regulated

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** Not regulated

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**Water Transportation (IMO/IMDG):**

**Proper shipping name:** Not regulated

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**Exceptions:** None

**Marine pollutant:** None known

***SECTION 15 - Regulatory Information***

**Sara Hazard Classification:** This material has been categorized as having the following hazards as defined by SARA Title III regulations (40 CFR 370); acute, chronic.

**Sara section 313 listed ingredients:**

The following ingredients in this material are subject to the reporting requirements of section 313 of SARA and 40 CFR 372 see Section II for percentage of ingredients: Vinyl acetate monomer (108-0504)

**Dot Proper Shipping Name:** Not regulated by DOT

**Un Number:** None

**Dot Hazard Class:** None

**Product related hazard information:**

The product has been classified in accordance with directives on irritant materials.

**Hazard symbols:** Irritant

**Risk phrases:**

Irritating to eyes and skin.

May cause sensitization by skin contact.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Harmful: may cause damage if swallowed.

Vapors may cause drowsiness and dizziness.

**Safety phrases:**

**S2** keep out of reach of children

**S13** keep away from food, drink and animal feeding stuffs

**S20** when using do not eat or drink

**S24/25** avoid contact with skin and eye

**S26** in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

**S28** after contact with skin, wash immediately with plenty of soap-suds

**S37/39** wear suitable gloves and eye/face protection

***SECTION 16 – Other Information***

The data contained herein are furnished for information only and are believed to be reliable. However, DBS LTD does not assume responsibility for any results obtained by persons over whose methods DBS LTD has no control. It is the user's responsibility to determine the suitability of DBS's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of DBS's products. In light of the foregoing, DBS LTD specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of DBS LTD's products. DBS LTD further disclaims any liability for consequential or incidental damages of any kind, including lost profits.