

VITRUV™ Material Safety Data Sheet

Section 1: Production Identification: DFB -1

Distributor: DFB Sales, Inc. *Trade Name:* DC Powder
21-07 Borden Avenue *Chemical Family:* Cement
Long Island City, NY 11101

Emergency Phone Numbers: DFB: (718) 729-8310, Chemtrec: (800) 424-9300

Section 2: Hazardous Ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>Other</u>	<u>%</u>
Portland Cement	65997-15-1	10mg/m ³	10mg/m ³		< 50
			Total Dust		
Dolomitic Limestone	16389-88-1	10mg/m ³	10mg/m ³		> 50
			Total Dust		

Section 3: Physical Data

Boiling Point: N.A. *Specific Gravity:* N.A.
Vapor Pressure: N.A. *Melting Point:* N.A.
Vapor Density: N.A. *Evaporation Rate:* N.A.
(Air=1) (Butyl Acetate=1)
Solubility in Water: Slight
Appearance and Odor: Gray or white powder – no odor.

Section 4: Fire and Explosion Hazard

Flash Point: N.A.
Flammable Limits: LEL UEL
N.A. N.A.
Extinguishing Media: N.A.
Special Fire Fighting Procedures: None
Unusual Fire and Explosive Hazards: None

Section 5: Health Hazard Data

Primary Routes of Entry: Eyes, skin, inhalation

Health Hazards: (Acute and Chronic)

Eyes: In contact with moisture can cause irritation or burns.
Skin: In contact with moisture can cause irritation or burns.
Inhalation: May cause irritation to respiratory tract.
Ingestion: May cause irritation to digestive tract.
Conditions Aggravated by Exposure: Not known.
Carcinogenic Data: Not on NTP, IARC or OSHA lists.
Overexposure Effects: N.A.

N.A.= Not Applicable

N.E.= Not Established

N.D.= Not Determined

Item # DFB-1 Trade Name: DC Powder

Section 5: Health Hazard Data (Cont'd)

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes. See physician.

Skin: Wash with soap and water.

Inhalation: Move subject to fresh air.

Ingestion: Call physician.

Section 6: Reactivity Data

Stability: Stable

Conditions To Avoid: Keep dry until used.

Incompatibility (Material To Avoid): Avoid contact with water as material will harden.

Hazardous Decomposition Products: None

Hazardous Polymerization: N.A.

Section 7: Special Leak Procedures

Steps to be Taken in the event material is released or spilled: Use dry clean up method. Avoid breathing dust.

Waste Disposal Methods: Dispose of in accordance with Federal, State and Local regulations.

Section 8: Special Protection Information

Respiratory Protection: None

Ventilation: Use local and mechanical exhaust.

Protective Gloves: Rubber gloves when using wet cement.

Eye Protection: Goggles

Other Protective Equipment: As needed to prevent skin contact with wet cement.

Precautions to be taken in Handling and Storage: Store in dry area.

Section 9: Special/Other Instructions

None

Section 10: Supplemental Information

HMIS Rating: Health = 1 Flammability = 0 Reactivity = 1

DOT Proper Shipping Name: Dry building mortar

SARA Section 313 Listed Ingredients: None

N.A.= Not Applicable

N.E.= Not Established

N.D.= Not Determined

VITRUV™ Material Safety Data Sheet

Section 1: Production Identification: DFB -2

Distributor: DFB Sales, Inc.
21-07 Borden Avenue
Long Island City, NY 11101
Trade Name: **DC Liquid**
Chemical Family: Resin Emulsion
Emergency Phone Numbers: **DFB:** (718) 729-8310, **Chemtrec:** (800) 424-9300

Section 2: Hazardous Ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>Other</u>	<u>%</u>
Resin Copolymer	24937-78-8	N.E.	N.E.		25-40

Section 3: Physical Data

Boiling Point: > 212°F. *Specific Gravity:* 1.06-1.1
Vapor Pressure: As water *Melting Point:* N.A.
Vapor Density: Heavier *Evaporation Rate:* Slower
(Air= 1) (Butyl Acetate= 1)
Solubility in Water: Dispersible
Appearance and Odor: White Liquid with slight acetic odor.
Percent Volatile by Volume (%): 76 (Water)

Section 4: Fire and Explosion Hazard

Flash Point: N.A.
Flammable Limits: LEL UEL
N.A. N.A.
Extinguishing Media: Water, dry chemical, carbon dioxide
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus to avoid inhalation of smoke or vapors.
Unusual Fire and Explosive Hazards: None known

Section 5: Health Hazard Data

Primary Routes of Entry: Eyes, skin, inhalation

Health Hazards: (Acute and Chronic)

Eyes: May cause irritation.
Skin: May cause irritation upon repeated or prolonged contact.
Inhalation: May cause irritation of respiratory tract upon excessive exposure to vapors or spray.
Ingestion: May cause irritation of digestive tract.
Conditions Aggravated by Exposure: None known
Carcinogenic Data: Product does not contain 0.1% or more of any ingredient listed with NTP, IARC or OSHA.
Overexposure Effects: Skin - irritation or rash, eyes - irritation.

N.A.= Not Applicable

N.E.= Not Established

N.D.= Not Determined

Item # DFB-2 Trade Name: DC Liquid

Section 5: Health Hazard Data (Cont'd)

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes and seek medical attention.
Skin: Wash with soap and water and remove contaminated clothing.
Inhalation: Remove subject to fresh air.
Ingestion: Call a physician at once.

Section 6: Reactivity Data

Stability: Stable
Conditions To Avoid: Keep from freezing.
Incompatibility (Material To Avoid): None
Hazardous Decomposition Products: Under severe thermal degradation, low molecular weight hydrocarbons may be formed.
Hazardous Polymerization: Will not occur.

Section 7: Special Leak Procedures

Steps to be Taken in the event material is released or spilled: Dike spill. Absorb with inert material and collect for disposal.
Waste Disposal Methods: Dispose of in accordance with Federal, State and Local regulations.

Section 8: Special Protection Information

Respiratory Protection: MSHA/NIOSH respirator should be worn to avoid heated vapors and spray mists. Not generally required during normal use and handling.
Ventilation: Local and mechanical exhaust.
Protective Gloves: Rubber or chemical resistant gloves.
Eye Protection: Chemical goggles.
Other Protective Equipment: As required to prevent skin contact.
Precautions to be taken in Handling and Storage: Keep from freezing, product will coagulate. Avoid prolonged or repeated inhalation of spray mists and heated vapors.

Section 9: Special/Other Instructions

Use adequate ventilation while using this material.

Section 10: Supplemental Information

HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0
DOT Proper Shipping Name: Liquid Latex
SARA Section 313 Listed Ingredients: None

N.A.= Not Applicable

N.E.= Not Established

N.D.= Not Determined