

# MATERIAL SAFETY DATA SHEET

SECTION I CHEMICAL PRODUCT & COMPANY IDENTIFICATION		INFORMATION & EMERGENCY PH:1-303-316-4820
TRADE NAME:	DECO 20 SEAL WATERPROOFING MEMBRANE	
CHEMICAL NAME:	CARBOXYLATED POLYMER BLENDS	
MANUFACTURER'S NAME:	DEAN ENTERPRISES, INC.	
ADDRESS:	7900 E. 40 <sup>TH</sup> AVE.	
STATE:	DENVER, COLORADO 80207	

## SECTION II - INGREDIENT INFORMATION

Component / Exposure Limits	CAS #	WEIGHT %
TITANIUM DIOXIDE OSHA PEL: (TWA) 15 MG/M3, ACGIH TVL: (TWA) 10 MG/M3	13463-67-7	10 - <20
CALCIUM CARBONATE APPLICABLE FOR SANDING AND GRINDING ACGIH TLV: AS DUST, 10 (<1% SILICA) OSHA PEL: TOTAL DUST 15; RESIRABLE DUST, 5	1317-65-3	5 - <10
PROPYLENE GLYCOL No exposure limits established	57-55-6	1 - <5
VINYL ACETATE / ETHYLENE COPOLYMER BLENDS		40 ->10
CARBON BLACK (Carcinogen as dust) (Carcinogen as respirable dust if sanded or ground) - ACGIH TLV: 3.5 MG/M3 TWA - OSHA PEL: 3.5 MG/M3 TWA	1333-86-4	.1-<5

## SECTION III- HAZARDS IDENTIFICATION

<b>NOT CONSIDERED HAZARDOUS UNDER NORMAL CONDITIONS, MAY CAUSE EYE AND SKIN IRRITATION</b>
<b>EYES:</b> Direct contact may cause irritation
<b>SKIN:</b> Prolonged contact may cause irritation
<b>INHALATION:</b> Vapor can cause headache, nausea, and irritation of the nose, throat and lungs.
<b>INGESTION:</b> Can cause gastrointestinal irritation, nausea, vomiting and diarrhea
<b>CHRONIC (CANCER) HAZARD INFORMATION:</b> Noncarcinogenic
<b>TERATOLOGY AND REPRODUCTION INFORMATION:</b> No information

## SECTION IV - FIRST AID

<b>EYES:</b> Flush with water, for 15 minutes, rest eyes 30 minutes. If redness, swelling or burning persist, consult physician.
<b>SKIN:</b> Wash affected area with soap and water
<b>INGESTION:</b> Give 2 glasses of water and consult physician
<b>INHALATION:</b> Remove to fresh air
<b>NOTE TO PHYSICIANS:</b> No information

## SECTION V - PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING RANGE:</b> 200F - 270F	<b>SPECIFIC GRAVITY (Water = 1):</b> 1.3+ - .5
<b>VAPOR DENSITY (Air = 1):</b> Heavier than air	<b>MELTING POINT :</b> Not determined
<b>SOLUBILITY IN WATER:</b> Soluble	<b>ODOR:</b> characteristic of latex waterborne systems
<b>APPEARANCE:</b> Smooth, opaque, GRAY viscous liquid	<b>VAPOR PRESSURE:</b> = Not determined

## SECTION VI - FIRE FIGHTING MEASURES

<b>FLASH POINT:</b> N/A (waterborne product) Method: n/a	<b>UNUSUAL CONDITIONS:</b> Closed containers may expand or burst (due to build-up of pressure) when exposed to extreme heat.
<b>FLAMMABLE LIMITS IN AIR BY VOLUME -</b> LOWER: N/A UPPER: N/A	
<b>AUTOIGNITION TEMPERATURE:</b> Not determined	<b>HAZARDOUS COMBUSTION PRODUCTS:</b> Carbon monoxide, and carbon dioxide
<b>EXTINGUISHING MEDIA:</b> Foam, Alcohol Foam, CO2, Dry chemical, water fog	<b>FIREFIGHTING INSTRUCTIONS:</b> Wear self contained breathing apparatus with a full face piece operated in the positive Pressure demand mode.

## SECTION VII- ACCIDENTAL RELEASE MEASURE

<b>SMALL SPILL:</b> Confine to a small area, use absorbent to clean up. Place in container for disposal
<b>LARGE SPILL:</b> Dike and pick up and reclaim into recovery or salvage drum for proper disposal

## SECTION VIII- HANDLING AND STORAGE

**HANDLING:** Acute, see above. Chronic, none known.

**STORAGE:** Keep material from freezing as product can coagulate. Do not expose to extreme heat.

## SECTION IX- EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Standard industrial ventilation is recommended.

**RESPIRATORY PROTECTION:** If applied by in confined areas, use an appropriate paper filtered mask

**SKIN PROTECTION:** Optional rubber or cotton gloves

**EYE PROTECTION:** Safety goggles or glasses to guard against splashes

## SECTION X- STABILITY AND PHYSICAL HAZARDS

**CHEMICAL STABILITY: (conditions to avoid)** stable

**INCOMPATIBILITY:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning, including when heated by welding or cutting, will produce smoke,

**HAZARDOUS POLYMERIZATION:** Not expected to occur

## SECTION XI- TOXICOLOGICAL INFORMATION

**EYE:** Inconsequential irritation; rabbit

**SKIN:** LD 50 > 2000 mg / kg; rabbit

**INGESTION:** LD 50 > 2000 mg / kg; rat

**INHALATION:** None toxic

**SUBCHRONIC:** No information

**CHRONIC/ CARCINOGENICITY:** None carcinogenic

**TERATOLOGY:** No information

**REPRODUCTION:** No information

**MUTAGENICITY:** No information

## SECTION XII - ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** Micro-organisms IC 50> 2000 MG/L aquatic invertebrates

EC50 >1000 MG/L, fish LC 50>1000 MG/L

**CHEMICAL FATE INFORMATION:** Not toxic to plants or fish. Not biodegradable, not RCRA hazardous. Dispose of in accordance with Local, State and Federal regulations.

## SECTION XIII - DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations. Contact chemical waste disposal company for further information.

## SECTION XIV - TRANSPORT INFORMATION

Not meant to be all inclusive. Not regulated.

## SECTION XV- REGULATORY INFORMATION

Not meant to be all inclusive. Selected regulation.

**U. S. FEDERAL REGULATIONS:** This product and / or all of its components are either included on or exempt from TSCA inventory of chemical substances.

**O.S.H.A.:** None hazardous

**CERCLA: SARA hazard category:** Noncarcinogenic hazard Section 313: No de minimus concentration

**INTERNATIONAL REGULATIONS:** No information

**EINECS:** No information

**VOLATILE ORGANIC COMPOUNDS:** Contains <190 GM/L VOC

## SECTION XVI- MSDS INFORMATION

**MSDS Status Active:** We believe that the information contained in this MSDS sheet is accurate. However, because this material can be used under conditions over which we have no control, we give no warranty, expressed or implied as to the accuracy of the information and assume no responsibility for damage to person, property, or business arising from its use. 12/05