# SAFETY DATA SHEET



Version 3

### **1. IDENTIFICATION**

Product identifier Product Name

Mult-E-Prime 505 Epoxy Concrete Primer Clear Pt B

Other means of identification Product Code UN/ID no SKU(s)

LM-0209 UN1263 None

Recommended use of the chemical and restrictions on useRecommended UseNo information available.Uses advised againstNo information available

Details of the supplier of the safety data sheetManufacturer AddressDiamond Vogel1020 Albany Place SEOrange City, IA 51041Phone: (712) 737-4993Fax: (712) 737-4997Emergency telephone numberEmergency TelephoneChemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

**Classification** 

### **OSHA Regulatory Status**

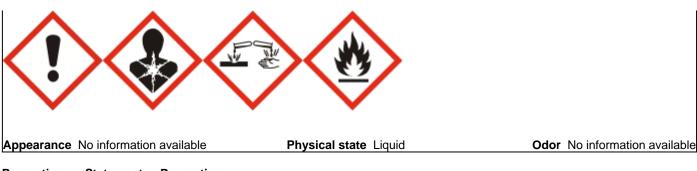
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

**Emergency Overview** 

Danger

Hazard statements Harmful if inhaled Causes skin irritation Causes serious eye damage May cause an allergic skin reaction May cause cancer May cause damage to organs May be fatal if swallowed and enters airways Flammable liquid and vapor



## Precautionary Statements - Prevention

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Use only outdoors or in a well-ventilated area Wash face, hands and any exposed skin thoroughly after handling Contaminated work clothing should not be allowed out of the workplace Wear protective gloves Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Keep container tightly closed Ground/bond container and receiving equipment Use only non-sparking tools Take precautionary measures against static discharge Use explosion-proof electrical/ ventilating/ lighting/ equipment

### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician If skin irritation or rash occurs: Get medical advice/attention IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting In case of fire: Use CO2, dry chemical, or foam for extinction

### **Precautionary Statements - Storage**

Store locked up Store in a well-ventilated place. Keep cool

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

### Other Information

- May be harmful if swallowed
- May be harmful in contact with skin
- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life
- Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Xylene	1330-20-7	30 - 60	*

### LM-0209 Mult-E-Prime 505 Epoxy Concrete Primer **Clear Pt B**

Polyamide resin	68410-23-1	15 - 40	*
Ethyl Benzene	100-41-4	7 - 13	*
Propylene Glycol Methyl Ether Acetate	108-65-6	3 - 7	*
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	1 - 5	*
Bis A,Epichlorohydrin Epoxy	25068-38-6	1 - 5	*
Cumene	98-82-8	0.1 - 1	*

The exact percentage (concentration) of composition has been withheld as a trade secret.

### **4. FIRST AID MEASURES**

### **Description of first aid measures**

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Call a physician immediately.
Inhalation	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Ingestion	Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.
Most important symptoms and effe	cts, both acute and delayed
Symptoms	No information available.
Indication of any immediate medica	al attention and special treatment needed
Note to physicians	Treat symptomatically.

### **5. FIRE-FIGHTING MEASURES**

<u>Suitable extinguishing media</u> Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical Flammable.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Personal precautions	Remove all sources of ignition. Use personal protective equipment as required.		
Environmental precautions			
Environmental precautions	Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.		

### Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Cover liquid spill with sand, earth or other non-combustible absorbent material. Soak up with inert absorbent material.

### 7. HANDLING AND STORAGE

Precautions for safe handling	
Advice on safe handling	Avoid contact with skin, eyes or clothing.
Conditions for safe storage, includi	ng any incompatibilities
Storage Conditions	Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
Incompatible materials	Chlorinated compounds.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-
Ethyl Benzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
Cumene 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m³

NIOSH IDLH Immediately Dangerous to Life or Health

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

#### **Engineering Controls** Showers Eyewash stations

Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	No special technical protective measures are necessary.
Skin and body protection	No special technical protective measures are necessary.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be

required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state Appearance Color	Liquid No information available No information available	Odor Odor threshold	No information available No information available
Property pH Melting point / freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability Limit in Air Upper flammability limit:	ValuesNo information availableNo information available>= 130 °C / 266 °F26 °C / 78 °FNo information availableNo information availableNo information available	<u>Remarks • Method</u>	
Lower flammability limit: Vapor pressure Vapor density Specific Gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties	No information available No information available No information available 0.91 No information available No information available		
Other Information Softening point Molecular weight Liquid Density Bulk density Percent solids by weight Percent volatile by weight Percent solids by volume Actual VOC (lbs/gal) Actual VOC (grams/liter) EPA VOC (lbs/gal) EPA VOC (grams/liter) EPA VOC (lb/gal solids)	No information available No information available 7.59 lbs/gal No information available 36.5% 63.5% 34.1% 4.8 577.8 4.8 577.8 14.1		

### **10. STABILITY AND REACTIVITY**

#### **Reactivity** No data available

### **Chemical stability**

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### **Conditions to avoid**

Heat, flames and sparks.

### **Incompatible materials**

Chlorinated compounds.

### Hazardous decomposition products

Carbon oxides.

### **11. TOXICOLOGICAL INFORMATION**

### Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)> 1700 mg/kg (Rabbit)	= 5000 ppm (Rat)4 h = 29.08 mg/L (Rat)4 h
Polyamide resin 68410-23-1	> 8000 mg/kg (Rat)	-	-
Ethyl Benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat)4 h
Propylene Glycol Methyl Ether Acetate 108-65-6	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
2,4,6-tris(dimethylaminomethyl)phe nol 90-72-2	= 1200 mg/kg (Rat)	= 1280 mg/kg (Rat)	-
Bis A,Epichlorohydrin Epoxy 25068-38-6	= 11400 mg/kg (Rat)	-	-
Cumene 98-82-8	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	= 39000 mg/m³(Rat)4 h > 3577 ppm (Rat)6 h

### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Germ cell mutagenicity Carcinogenicity	No informat	tion available. tion available. tion available.		
Chemical name	ACGIH	IARC	NTP	OSHA
Xylene 1330-20-7	-	Group 3	-	-
Ethyl Benzene 100-41-4	A3	Group 2B	-	х
Cumene 98-82-8	-	Group 2B	Reasonably Anticipated	Х

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans Group 3 - Not classifiable as a human carcinogen

A3 - Animal Carcinogen

NTP (National Toxicology Progra	am)	
Reasonably Anticipated - Reasona	ably Anticipated to be a Human Carcinogen	
OSHA (Occupational Safety and	Health Administration of the US Department of Labor)	
X - Present		
Reproductive toxicity	No information available.	
STOT - single exposure No information available.		
STOT - repeated exposure No information available.		
Chronic toxicity	Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands.	
Target organ effects Central nervous system, Eyes, Respiratory system, Skin.		
Aspiration hazard	No information available.	

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document  $\,$  mg/kg  $\,$  mg/l  $\,$ 

### **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Harmful to aquatic life with long lasting effects

34.75% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Xylene 1330-20-7	-	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.5 - 17.3:	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L
		96 h Oncorhynchus mykiss mg/L	LC50
		LC50 23.53 - 29.97: 96 h	
		Pimephales promelas mg/L LC50	
		static 2.661 - 4.093: 96 h	
		Oncorhynchus mykiss mg/L LC50	
		static 780: 96 h Cyprinus carpio	
		mg/L LC50 semi-static 780: 96 h	
		Cyprinus carpio mg/L LC50 30.26 -	
		40.75: 96 h Poecilia reticulata mg/L	
		LC50 static 19: 96 h Lepomis	
		macrochirus mg/L LC50 7.711 -	
		9.591: 96 h Lepomis macrochirus	
		mg/L LC50 static 13.1 - 16.5: 96 h	
		Lepomis macrochirus mg/L LC50	
		flow-through	
Ethyl Benzene	4.6: 72 h Pseudokirchneriella	11.0 - 18.0: 96 h Oncorhynchus	1.8 - 2.4: 48 h Daphnia magna mg/L
100-41-4	subcapitata mg/L EC50 2.6 - 11.3:	mykiss mg/L LC50 static 7.55 - 11:	EC50
	72 h Pseudokirchneriella	96 h Pimephales promelas mg/L	
	subcapitata mg/L EC50 static 1.7 -	LC50 flow-through 4.2: 96 h	
	7.6: 96 h Pseudokirchneriella	Oncorhynchus mykiss mg/L LC50	
	subcapitata mg/L EC50 static 438:	semi-static 32: 96 h Lepomis	
	96 h Pseudokirchneriella	macrochirus mg/L LC50 static 9.6:	
	subcapitata mg/L EC50	96 h Poecilia reticulata mg/L LC50	
		static 9.1 - 15.6: 96 h Pimephales	
Describer a Object Mathed Ether		promelas mg/L LC50 static	500.40 h Danha's second of "
Propylene Glycol Methyl Ether	-	161: 96 h Pimephales promelas	500: 48 h Daphnia magna mg/L
Acetate		mg/L LC50 static	EC50
108-65-6	0.0.70 h Desudativehesrialle		
Cumene	2.6: 72 h Pseudokirchneriella	4.8: 96 h Oncorhynchus mykiss	0.6: 48 h Daphnia magna mg/L
98-82-8	subcapitata mg/L EC50	mg/L LC50 flow-through 6.04 - 6.61: 96 h Pimephales promelas mg/L	
		LC50 flow-through 2.7: 96 h	magna mg/L EC50 Static
		Oncorhynchus mykiss mg/L LC50	
		semi-static 5.1: 96 h Poecilia	
		reticulata mg/L LC50 semi-static	
	l	reliculata mg/L LCoU semi-static	

### Persistence and degradability

No information available.

### **Bioaccumulation**

No information available.

Chemical name	Partition coefficient
Xylene 1330-20-7	3.15
Ethyl Benzene 100-41-4	3.2
Propylene Glycol Methyl Ether Acetate 108-65-6	0.43
Cumene 98-82-8	3.7

Other adverse effects

No information available

### **13. DISPOSAL CONSIDERATIONS**

Waste treatment methods
-------------------------

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

US EPA Waste Number D001 U239 U055

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	<b>RCRA - U Series Wastes</b>
Xylene	-	Included in waste stream:	-	U239
1330-20-7		F039		
Ethyl Benzene	-	Included in waste stream:	-	-
100-41-4		F039		
Cumene	-	-	-	U055
98-82-8				

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Xylene	Toxic
1330-20-7	Ignitable
Ethyl Benzene	Toxic
100-41-4	Ignitable
Cumene	Toxic
98-82-8	Ignitable

### 14. TRANSPORT INFORMATION

DOT

UN/ID no	UN1263
Proper shipping name	Paint related material
Hazard class	3
Packing Group	III
Reportable Quantity (RQ)	(Ethyl Benzene: RQ (kg)= 454.00, Xylene: RQ (kg)= 45.40)
Special Provisions	B1, B52, IB3, T2, TP1, TP29
Description	UN1263, Paint related material, 3, III
Emergency Response Guide	128
Number	

TDG

UN/ID no UN1263 Paint related material Proper shipping name Hazard class 3 **Packing Group** Ш **Special Provisions** 59.83 Description UN1263, Paint related material, 3, III MEX UN/ID no UN1263 Proper shipping name Paint related material Hazard class 3 163, 223 **Special Provisions Packing Group** ш Description UN1263, Paint related material, 3, III ICAO (air) UN/ID no UN1263 Proper shipping name Paint related material Hazard class 3 Packing Group III **Special Provisions** A3, A72 UN1263, Paint related material, 3, III Description ΙΑΤΑ **UN Number** UN1263 Proper shipping name Paint related material Transport hazard class(es) 3 Packing Group Ш ERG Code 3L **Special Provisions** A3, A72 Description UN1263, Paint related material, 3, III IMDG **UN Number** UN1263 Transport hazard class(es) 3 **Packing Group** Ш EmS-No F-E, S-E **Special Provisions** 163, 223, 955 UN1263, Paint related material, 3, III, (26°C c.c.) Description RID UN/ID no UN1263 Proper shipping name Paint related material Transport hazard class(es) 3 Packing Group Ш **Classification code** F1 163, 640E, 650 **Special Provisions** Description UN1263, Paint related material, 3, III Labels 3 ADR **UN Number** UN1263 Proper shipping name Paint related material Transport hazard class(es) 3 Packing Group Ш **Classification code** F1 **Tunnel restriction code** (D/E) 163, 640E, 650 **Special Provisions** Description UN1263, Paint related material, 3, III, (D/E) Labels 3

<u>ADN</u>

Proper shipping name	Paint related material
Transport hazard class(es)	3
Packing Group	III
Classification code	F1
Special Provisions	163, 640E, 650
Description	UN1263, Paint related material, 3, III
Hazard label(s)	3
Limited quantity (LQ)	5 L
Ventilation	VE01
Equipment Requirements	PP, EX, A

### **15. REGULATORY INFORMATION**

International Inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### US Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Xylene	1.0
Ethyl Benzene	0.1

#### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb	-	-	Х
Ethyl Benzene 100-41-4	1000 lb	X	Х	Х

#### <u>CERCLA</u>

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

### Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Xylene	100 lb	-	RQ 100 lb final RQ
1330-20-7			RQ 45.4 kg final RQ
Ethyl Benzene	1000 lb	-	RQ 1000 lb final RQ
100-41-4			RQ 454 kg final RQ
Cumene	5000 lb	-	RQ 5000 lb final RQ
98-82-8			RQ 2270 kg final RQ

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65	
Ethyl Benzene - 100-41-4	Carcinogen	
Cumene - 98-82-8	Carcinogen	

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts
Xylene	X	X
1330-20-7		
Ethyl Benzene	X	X
100-41-4		
Cumene	X	Х
98-82-8		

Chemical name	Pennsylvania
Xylene 1330-20-7	X
Ethyl Benzene 100-41-4	X

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

### Hazardous air pollutants (HAPS) content

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants' (present individually at 1% by weight, or greater):

Chemical name	Weight % of HAPS in Product	Pounds HAPS / Gal Product
Xylene 1330-20-7	46.56%	3.54
Ethyl Benzene 100-41-4	10.86%	0.82

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA

Health hazards 2

Flammability 3

Instability 0

Physical hazards 0

Physical and chemical properties - Personal protection X

HMISHealth hazards 2 \*Flammability 3Chronic Hazard Star Legend\* = Chronic Health Hazard

05-Aug-2019

Revision Note No information available

Disclaimer

**Revision Date** 

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate

protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.