DRICORE™ PRO Concrete Repair Crack Prep Surface Paste

Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DRICORE™ PRO Concrete Repair Crack Prep Surface Paste, Part B

MANUFACTURER: AGT Products Inc.
ADDRESS: 2311 Royal Windsor Drive Unit 2
Mississauga, OntarioCanada L5J 1K5

EMERGENCY PHONE:
Chemtrec: Domestic: 800 424-9300
International: +1 703 527-3887

PHONE: +1 866 767-6374

RECOMENDED USE: Epoxy resin hardener. For further information refer to the Product Data Sheet.

SECTION 2: HAZARDS IDENTIFICATION

Classification

Acute aquatic toxicity - Category 3

Acute toxicity Dermal - Category 5

Acute toxicity Oral - Category 5

Carcinogenicity - Category 2

Chronic aquatic toxicity - Category 2

Corrosive to metals - Category 1

Reproductive Toxicity - Category 1B

Respiratory Sensitizer (Solid/Liquid) - Category 1

Serious Eye Damage - Category 1

Skin Corrosion - Category 1B

Skin Sensitizer - Category 1B

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Pictograms



Signal Word

Danger

Hazardous Statements - Physical

H290 - May be corrosive to metals

Hazardous Statements - Health

H313 - May be harmful in contact with skin

H303 - May be harmful if swallowed

H351 - Suspected of causing cancer.

H360 - May damage fertility or the unborn child

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H373 - May cause damage to organs through prolonged or repeated exposure.

SECTION 2: HAZARDS IDENTIFICATION (CONTINUED)

Hazardous Statements - Environmental

H402 - Harmful to aquatic life

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P273 - Avoid release to the environment.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P234 - Keep only in original packaging.

P284 - In case of inadequate ventilation, wear respiratory protection

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements - Response

P312 - Call a POISON CENTER/doctor if you feel unwell.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P391 - Collect spillage.

P390 - Absorb spillage to prevent material damage.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P363 - Wash contaminated clothing before reuse.

P321 - Specific treatment (see section 4 on this SDS).

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

Precautionary Statements - Storage

P405 - Store locked up.

P406 - Store in a corrosive resistant/… container with a resistant inner liner.

Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #:	CAL-OSHA PEL TWA (8hours)	ACGIH TLV TWA (8 hours)	Other Limits RECOMMENDED	% BY WEIGHT
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)-	64852-22-8	No Data	No Data		4
Tofa, reaction products with TEPA	68953-36-6	No Data	No Data		>17
Tetraethylenepentamine	112-57-2	No Data	No Data	TWA WEEL 1ppm(5mg/m3)	<3
4-tert-Butylphenol	98-54-4	No Data	No Data		<6
Diethylenetriamine	111-40-0	No Data	No Data		<2
Benzyl Alcohol	100-51-6	No Data	No Data	TWA WEEL 10ppm(44mg/m3)	1.3
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	No Data	No Data		<3
Bis(dimethylaminomethyl)phenol	71074-89-0	No Data	No Data		<0.5
Treated fumed silica	67762-90-7	No Data	No Data		<4
Carbon Black	1333-86-4	No Data	No Data		<0.5

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for a minimum of 15 minutes while holding eyes open. Remove contact lenses if present and easy to do. If redness, burning, blurred vision, or swelling persists, consult a physician.

SKIN: Remove contaminated clothing and product. Immediately wash affected area with soap and water. Do not apply greases or ointments. If skin irritation persists, consult a physician.

INGESTION: Rinse mouth immediately. Give small amounts of water, only if person is conscious. Only induce vomiting at the instruction of medical personnel. consult a physician

INHALATION: Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Extinguish with foam, carbon dioxide, dry powder, or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use standard fire-fighting procedures and consider the hazards of other involved materials. In case of a fire and / or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products may occur when material polymerizes at temperatures above 500 ºF (260 ºC). Irritating and toxic gases/fumes may be released during a fire. Do not allow run-off from fire-fighting to enter drains or water courses.

FLASH POINT: **210 ºF / 99 ºC**
METHOD USED: **PMCC**

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment. Do not touch containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained.

ACCIDENTAL RELEASE MEASURES: In case of spill, clean up using absorbent material such as earth or sand. Small quantities can be wiped up with cloth, place cloth in leak proof container and dispose of properly.

WASTE DISPOSAL: Observe Federal, State and local regulations covering chemical waste spills.

SECTION 7: HANDLING AND STORAGE

PERSONAL PROTECTION: Use personal protective equipment to ensure product does not contact eyes or skin when handling materials.

HANDLING AND STORAGE: Store in cool dry place out of direct sun rays. Keep from freezing. Recommend storage temperatures range: between 40º and 95 ºF (4º - 35 ºC)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE MEASURE: Wear appropriate personal protective equipment.

EYE PROTECTION: Wear appropriate safety glasses with side shields, goggles or full face shield. When working on an overhead application a full face shield is recommended.

HAND PROTECTION: Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.

SKIN AND BODY PROTECTION: Wear long sleeve shirts/long pants and other clothing as required to minimize contact.

RESPIRATORY PROTECTION: Do not breathe gas/fumes/vapor/ or spray. The use of a respirator is not required during general use of this product provided adequate ventilation. If grinding or cutting cured product the use of an approved respirator is recommended.

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

ENGINEERING CONTROLS: When using indoors, good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Ready access to running water is required. Provide eyewash station.

EXPOSURE LIMITS

Component	OSHA (PEL)	ACGIH (TLV)	NIOSH (Pocket Guide)
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)- 64852-22-8	**No Data**	**No Data**	**No Data**
Tofa, reaction products with TEPA 68953-36-6	**No Data**	**No Data**	**No Data**
Tetraethylenepentamine 112-57-2	**No Data**	**No Data**	**No Data**
4-tert-Butylphenol 98-54-4	**No Data**	**No Data**	**No Data**
Diethylenetriamine 111-40-0	**1 ppm(4mg/m3)**	**1 ppm(4mg/m3)**	**1 ppm (4mg/m3) skin**
Benzyl Alcohol 100-51-6	**No Data**	**No Data**	**No Data**
Tris-2,4,6-(dimethylaminomethyl)phenol 90-72-2	**No Data**	**No Data**	**No Data**
Bis(dimethylaminomethyl)phenol 71074-89-0	**No Data**	**No Data**	**No Data**
Treated fumed silica 67762-90-7	**No Data**	**No Data**	**No Data**
Carbon Black 1333-86-4	**3.5 mg/m3**	**TWA 3 mg/m3**	**TWA 3.5 mg/m3**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black
ODOR: Ammonia
PHYSICAL STATE: Paste
pH AS SUPPLIED: basic
BOILING POINT: N/D
MELTING POINT: N/D
FREEZING POINT: N/D
VAPOR PRESSURE: <1mm @ 20C
VAPOR DENSITY (AIR = 1): Heavier than air
SPECIFIC GRAVITY (H2O = 1): 0.95
EVAPORATION RATE: N/D
SOLUBILITY IN WATER: Slight
PERCENT SOLIDS BY WEIGHT: N/D
PERCENT VOLATILE: N/D
VOLATILE ORGANIC COMPOUNDS (VOC): MOLECULAR WEIGHT: ND
VISCOSITY: 6400 p.

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID (STABILITY):	Exposure to excessive heat and open flame
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong acids, peroxides and other oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Normal combustion forms carbon dioxide, carbon monoxide, oxides o carbon and other organic compounds,
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity	**CAS#**	
Acute Oral Toxicity:		No data available on the product itself
Oral-Components		
Carbon Black	1333-86-4	LD50 15,400 mg/kg Species: Rat
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)-	64852-22-8	Acute toxicity estimate: 2,690 mg/kg
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	LD50 2,169 mg/kg Species: Rat M/F
Acute Dermal Toxicity:		No data available on the product itself
Dermal-Components		
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)-	64852-22-8	LD50 12,500 mg/kg Species: Rabbit
Acute Inhalation Toxicity		No data available on the product itself
Inhalation-Components		
Diethylenetriamine	111-40-0	LC50(4hr): >0.07-<0.3 Species: Rat
Benzyl Alcohol	100-51-6	LC50(4hr): >4.178 mg/l Species: Rat
Skin Corrosion/ Irritation:		Skin corrosion
Corrosion/Irritation Components		
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)-	64852-22-8	Extremely corrosive and destructive to tissue.
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	Corrosive (4hr) Species: Rabbit.
Eye Damage/Irritation:		Severe eye damage
Damage/Irritation Components		
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)-	64852-22-8	May cause irreversible eye damage.
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	Corrosive Species: Rabbit.
Respiratory Damage/Irritation:		No data available on the product itself
Damage/irritation Components		
Sensitization:		May cause sensitization by inhalation or skin contact
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	Skin sensitizer , sub. cat. 1B
Germ Cell Mutagenicity		The product or a component may be mutagenic, the data is inconclusive.
Maternal Toxicity:		No data available on the product itself

Carcinogenicity:

Classification	
ACGIH:	Not Classified
IARC:	Carbon Black IARC Carcinogen 2B
NTP	Not Listed
OSHA	Not Classified

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	**CAS#**	
Aquatic toxicity:		No data available on the product itself
Toxicity to Fish-Components		
Benzyl Alcohol	100-51-6	LC50(96hr) 460 mg/l Species: Fathead minnow
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)-	64852-22-8	LC50(96hr) 68 mg/l
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	LC50(96hr) 175 mg/l Species: Cyprinus carpio
Toxicity to algae-Components		
Benzyl Alcohol	100-51-6	IC50(72hr): 700 mg/l Species: Algae
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	EC50(72hr): 84 mg/l Species: Desmodesmus subspicatus.
Toxicity-AquaticInvertabrates		
Carbon Black	1333-86-4	EC50(48hr): 37.5 mg/l Species: Water flea
Toxicity to other organisms:		
PERSISTENCE & DEGRADABILITY:		
BIODEGRADABILITY:		No data available on product itself
Biodegradability-Components		
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-(2-aminomethylethoxy)-	64852-22-8	Not readily biodegradable <5% 28d
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	Not readily biodegradable 4% 28d
BIOACCUMULATIVE POTENTIAL**:**		No data available on product itself
BioAccumulaive-Components:		
MOBILITY IN SOIL:		NDA
OTHER ADVERSE EFFECTS:		NDA
AQUATIC RELEASE:		Advise authorities if product has entered or may enter watercourses or sewer drains.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not allow this material to drain into sewers / waterways, ditches, containment pools or water supplies. Dispose of contents / containers in accordance with local/regional/international regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT Information

UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylenepentamine, 2,4,6-Tris(dimethylaminomethyl)phenol, Diethylenetriamine, Bis[(dimethylamino)methyl]phenol)
Hazard Class: 8
Packing Group: III / REGULATED
Placard: Corrosive

IMDG Information

UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylenepentamine, 2,4,6-Tris(dimethylaminomethyl)phenol, Diethylenetriamine, Bis[(dimethylamino)methyl]phenol)
Hazard Class: 8 Hazard Class: 8
Packing Group: III / REGULATED
Placard: Corrosive
Marine Pollutant: YES

IATA Information

UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylenepentamine, 2,4,6-Tris(dimethylaminomethyl)phenol, Diethylenetriamine, Bis[(dimethylamino)methyl]phenol)
Hazard Class: 8
Packing Group: III / REGULATED
Placard: Corrosive

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): xxxxxxxxxx

OSHA: 29 CFR 1910.1200 (Hazard Communication required)

WHMIS XXXXXXXXXX

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

302/304 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

311/312 HAZARD CATEGORIES:

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	No
Pressure Release Hazard:	No
Reactivity Hazard:	No

313 REPORTABLE INGREDIENTS: Xxxxxxxxxx

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65 (THE SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT of 1986)

This product does not contain known levels of any chemicals known to cause cancer or reproductive harm.

SECTION 16: OTHER INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	
HMIS HAZARD RATING	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	C
4 – Severe, 3 – Serious, 2 – Moderate, 1 - Slight	
C – (Safety glasses, gloves, apron)	

The information provided herein is believed to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.

DRICORE™ PRO Concrete Repair Crack Prep Surface Paste

Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DRICORE™ PRO Concrete Repair Crack Prep Surface Paste, Part A

MANUFACTURER: AGT Products Inc.
ADDRESS: 2311 Royal Windsor Drive Unit 2
Mississauga, OntarioCanada L5J 1K5

EMERGENCY PHONE:
Chemtrec: Domestic: 800 424-9300
International: +1 703 527-3887

PHONE: +1 866 767-6374

RECOMENDED USE: Epoxy bonding agent. For further information refer to the Product Data Sheet.

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard:



ROUTES OF ENTRY: **EYE:** YES **SKIN:** YES **INGESTION:** YES **INHALATION:** YES

SIGNAL WORD: **DANGER!**

PHYSICAL HAZARDS: Not Classified

HEALTH HAZARDS: (ACUTE AND CHRONIC)

EYES: Serious Eye Damage/Irritant Cat. 1
SKIN: Skin Irritant Cat. 2
Skin Sensiitization Cat. 1
INGESTION: Genetic Mutagenicity Cat. 2
INHALATION: Genetic Mutagenicity Cat. 2
CARCINOGEN: IARC Cat. 2B

ENVIRONMENTAL HAZARDS:
Acute Aquatic Cat.2
Chronic Aquatic Cat.2

HAZARD STATEMENTS:
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H318 - Causes serious eye damage
H411 - Toxic to aquatic life with long lasting effects
H341 - Suspected of causing genetic defects

PRECAUTIONARY STATEMENTS:
P261 – Avoid breathing mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing
P264 - Wash…thoroughly after handling with soap and water.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment
P280 - Wear Protective gloves/protective clothing/eye protection/face protection.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER and DOCTOR.
P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 – Take off contaminated clothing and wash before reuse.
P391 – Collect spillage.
P402 – Store locked up.
P501 – Dispose of contents/container through a waste management company authorized by the local government.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Persons with preexisting skin or respiratory disorders may have their conditions aggravated by over exposure to this material.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #:	CAL-OSHA PEL TWA (8hours)	ACGIH TLV TWA (8 hours)	Other Limits RECOMMENDED	% BY WEIGHT
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	No Data	No Data		60-80
2,3-epoxypropyl o-tolyl ether	2210-79-9	No Data	No Data		8-10
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	No Data	No Data		<1
Titanium Dioxide	13463-67-7	15mg/m3	10 mg/m3		9
Silicones and siloxanes, dimethyl-, reaction products with silica	67762-90-7	No Data	No Data		6

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for a minimum of 15 minutes while holding eyes open. Remove contact lenses if present and easy to do. If redness, burning, blurred vision, or swelling persists, consult a physician.

SKIN: Remove contaminated clothing and product. Immediately wash affected area with soap and water. Do not apply greases or ointments. If skin irritation persists, consult a physician.

INGESTION: Rinse mouth immediately. Give small amounts of water, only if person is conscious. Only induce vomiting at the instruction of medical personnel. consult a physician

INHALATION: Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Extinguish with foam, carbon dioxide, dry powder, or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use standard fire-fighting procedures, and consider the hazards of other involved materials. In case of a fire and / or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products may occur when material polymerizes at temperatures above 500 ºF (260 ºC). Irritating and toxic gases/fumes may be released during a fire. Do not allow run-off from fire-fighting to enter drains or water courses.

FLASH POINT: **>250 ºF / 121 ºC**
METHOD USED: **PMCC**

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment. Do not touch containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained.

ACCIDENTAL RELEASE MEASURES: In case of spill, clean up using absorbent material such as earth or sand. Small quantities can be wiped up with cloth, place cloth in leak proof container and dispose of properly.

WASTE DISPOSAL: Observe Federal, State and local regulations covering chemical waste spills.

SECTION 7: HANDLING AND STORAGE

PERSONAL PROTECTION: Use personal protective equipment to ensure product does not contact eyes or skin when handling materials.

HANDLING AND STORAGE: Store in cool dry place out of direct sun rays. Keep from freezing. Recommend storage temperatures range: between 40º and 95 ºF (4º - 35 ºC)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE MEASURE:	Wear appropriate personal protective equipment.
EYE PROTECTION:	Wear appropriate safety glasses with side shields, goggles or full face shield. When working on an overhead application a full face shield is recommended.
HAND PROTECTION:	Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.
SKIN AND BODY PROTECTION:	Wear long sleeve shirts/long pants and other clothing as required to minimize contact.
RESPIRATORY PROTECTION:	Do not breathe gas/fumes/vapor/ or spray. The use of a respirator is not required during general use of this product provided adequate ventilation. If grinding or cutting cured product the use of an approved respirator is recommended.
WORK HYGIENIC PRACTICES:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
ENGINEERING CONTROLS:	When using indoors, good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Ready access to running water is required. Provide eyewash station.

EXPOSURE LIMITS

Component	OSHA (PEL)	ACGIH (TLV)	NIOSH (Pocket Guide)
Bisphenol-A - epichlorohydrin epoxy resin 25068-38-6	No Data	No Data	No Data
2,3-epoxypropyl o-tolyl ether 2210-79-9	No Data	No Data	No Data
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane 2530-83-8	No Data	No Data	No Data
Titanium Dioxide 13463-67-7	TWA 15 mg/m3	No Data	No Data
Silicones and siloxanes, dimethyl-, reaction products with silica 67762-90-7	TWA 80 mg/m3	No Data	6 mg/m3

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White
ODOR:	Mild
PHYSICAL STATE:	Paste
pH AS SUPPLIED:	N/D
BOILING POINT:	>250F
MELTING POINT:	N/D
FREEZING POINT:	N/D
VAPOR PRESSURE (mmHg:	N/D
VAPOR DENSITY (AIR = 1):	Heavier than air
SPECIFIC GRAVITY (H2O = 1):	1.3 @ 25ºC
EVAPORATION RATE:	Negligible
SOLUBILITY IN WATER:	Negligible
PERCENT SOLIDS BY WEIGHT:	0%
PERCENT VOLATILE:	Negligible
VOLATILE ORGANIC COMPOUNDS (VOC):	ND
MOLECULAR WEIGHT:	ND
VISCOSITY:	2100 poise

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID (STABILITY):	Exposure to excessive heat and open flame
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong acids, peroxides and other oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Normal combustion forms carbon dioxide, carbon monoxide, oxides of carbon and other organic compounds,
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

	CAS#	
Acute Oral Toxicity:		No data available on the product itself
Oral-Components		
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	LD50 >5,000 mg/kg Species: Rat
2,3-epoxypropyl o-tolyl ether	2210-79-9	LD50 5,800 mg/kg Species: Rat
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	LD50 7,000-17,000 mg/kg Soecies:Rat
Silicones and siloxanes, dimethyl-, reaction products with silica	67762-90-7	LD50 >5,000 mg/kg Species: Rat
Acute Dermal Toxicity:		No data available on the product itself
Dermal-Components		
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	LD50 20,000 mg/kg Species: Rabbit
2,3-epoxypropyl o-tolyl ether	2210-79-9	LD50 >2,000 mg/kg Species: Rabbit
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	LD50 3.97 ml/kg Species: Rabbit
Silicones and siloxanes, dimethyl-, reaction products with silica	67762-90-7	LD50 >2,000 mg/kg Species: Rat
Acute Inhalation Toxicity:		No data available on the product itself
Inhalation-Components		
2,3-epoxypropyl o-tolyl ether	2210-79-9	LC50(4hr): 1220 ppm Species: Rat
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	LC50 3.97 ml/kg Species: Rabbit
Silicones and siloxanes, dimethyl-, reaction products with silica	67762-90-7	LC0(4hr) 0.139 mg/l Species: Rat
Skin Corrosion/ Irritation:		No data available on the product itself
Corrosion/Irritation Components		
2,3-epoxypropyl o-tolyl ether	2210-79-9	Severe skin irritation.
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	Causes slight irritation.
Eye Damage/Irritation:		No data available on the product itself
Damage/Irritation Components		
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	Causes serious eye damage.
2,3-epoxypropyl o-tolyl ether	2210-79-9	Mild eye irritation.
Respiratory Damage/Irritation:		No data available on the product itself
Damage/irritation Components		
Sensitization:		May cause sensitization by inhalation and skin contact.
Sensitization-Components		
2,3-epoxypropyl o-tolyl ether	2210-79-9	May cause sensitization by skin contact.
Germ Cell Mutagenicity		The product or a component may be mutagenic, the data is inconclusive.
Maternal Toxicity:		No data available on the product itself

Carcinogenicity:

ACGIH: No data

IARC: TiO2: IARC Group 2B carcinogen "possibly carcinogen to humans".

This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possible carcinogenic to humans). Evidence is based on sufficient animal testing as a result of long-term inhalation at high concentrations of respirable amounts of titanium dioxide. Because this product is in liquid or paste form. It does not pose a dust hazard; therefore, **this classification is not relevant**. Note: sanding of this product will create a possible dust hazard.

NTP No data

OSHA No data

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	**CAS#**	
Aquatic toxicity:		No data on product itself
Toxicity to Fish-Components		
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	LC50(96hr) 1.5mg/l Species: Salo Gairdneri
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	LC50(96hr) 55mg/l Species:Cyprinus carpio
Silicones and siloxanes, dimethyl-, reaction products with silica	67762-90-7	LC50(96hr) 10,000 mg/l Species: Brachydanio rerio
Toxicity to algae-Components		
Toxicity-AquaticInvertabrates		
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	EC50(48hr) 2.7mg/l Species: Dapnia Magna
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	LC50(48hr) 324mg/l Species:Simocephalus vetulus
Silicones and siloxanes, dimethyl-, reaction products with silica	67762-90-7	EC50(24hr) >1,000 mg/l Species: Daphnia magna
Toxicity to other organisms:		
PERSISTENCE & DEGRADABILITY:		
BIODEGRADABILITY:		No data available on product itself
Biodegradability-Components		
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	Not readily biodegradable 5% 28 days
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	Not readily biodegradable
BIOACCUMULATIVE POTENTIAL**:**		No data available on product itself
BioAccumulaive-Components:		
Bisphenol-A - epichlorohydrin epoxy resin	25068-38-6	Low potential to bioaccumulate BCF = 31
MOBILITY IN SOIL:		NDA
OTHER ADVERSE EFFECTS:		NDA
AQUATIC RELEASE:		Advise authorities if product has entered or may enter watercourses or sewer drains.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not allow this material to drain into sewers / waterways, ditches, containment pools or water supplies. Dispose of contents / containers in accordance with local/regional/international regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER: Not Regulated for transportation
PACKING GROUP:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Environmentally hazardous substance, liquid n.o.s. (Epoxy Resin Mixture), Marine Pullutant
HAZARD CLASS: 9
ID NUMBER: UN3082
PACKING GROUP: III / Regulated

AIR TRANSPORTATION

PROPER SHIPPING NAME: Environmentally hazardous substance, liquid n.o.s. (Epoxy Resin Mixture), Marine Pullutant
HAZARD CLASS: 9
ID NUMBER: UN3082
PACKING GROUP: III / Regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): xxxxxxxxxx

OSHA: 29 CFR 1910.1200 (Hazard Communication required)

WHMIS XXXXXXXXXX

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

302/304 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

311/312 HAZARD CATEGORIES:

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	No
Pressure Release Hazard:	No
Reactivity Hazard:	No

313 REPORTABLE INGREDIENTS: Xxxxxxxxxx

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65 (THE SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT of 1986)

This product does not contain known levels of any chemicals known to cause cancer or reproductive harm.

SECTION 16: OTHER INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	
HMIS HAZARD RATING	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	C
4 – Severe, 3 – Serious, 2 – Moderate, 1 - Slight	
C – (Safety glasses, gloves, apron)	

The information provided herein is believed to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.

01: PRODUCT & COMPANY IDENTIFICATION

Product Name: DRICORE PRO Concrete Repair Crack Injection Expanding Foam
Common Name: Polyamine
Company Address: 2311 Royal Windsor Drive Unit 2
Mississauga, Ontario, Canada L5J 1K5
P: +1 866 767 6374
E: info@dricore.com

Chemical Family: Isocyanate
Product Use: Epoxy Bonding Agent
Emergency Phone: CANUTEC 613 996 6666

02: HAZARDS IDENTIFICATION

NOTE: The classification, hazard statements and precautionary statements below represent those of Parts A and B mixed in a 1 to 1 ratio before hardening/curing.

Physical Hazards: None

Health and Environmental Hazards:

Skin Damage/Irritation	Category 2
Skin Sensitization	Category 1
Respiratory Sensitization	Category 1
Eye Damage/ Irritation	Category 2
Acute Toxicity (Inhalation)	Category 4
Carcinogen	Category 2

Specific Target Organ Toxicity; Single Exposure (Resp) Category 3

Hazard Statements: Harmful if inhaled. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause respiratory irritation.

03: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Cas#	Chemical Name	%	OSHA PEL	ACGUH TLV
Component A				
No Hazardous Materials				
Component B				
101-68-8	4, 4”-methylenediphenyl diisocyanate	<25-50%	NE	NE
9016-87-9	Diphenylmethanediisocyanate, isomers and homologues	<25-50%	NE	NE

None of the remaining components are considered a hazardous material or carcinogen (1910.1200 Hazard Communication (d) 4.)
NE= Not Established NA=Not Applicable

04: FIRST AID MEASURES

General Advice:	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped trained personnel should begin cardiopulmonary resuscitation immediately.
Inhalation:	If respiratory irritation occurs, go to fresh air, flood work area with fresh air. If irritation continues seek medical attention.
Skin Contact:	Remove contaminated clothing and shoes. Wash affected area(s) throughly with soap and water. If irritation persists, seek medical attention. SOLVENTS SHOULD NOT BE USED because they carry the irritant into the skin.
Eye Contact:	Flush the eyes with plenty of water for at least 15 minutes. If necessary, gently hold eyelids open during the flush. Immediately seek medical attention.
Ingestion:	Obtain immediate medical attention or call poison control center. Do not induce vomiting. Should vomiting occur, be sure to keep victim’s head below hips to avoid aspiration of vomit into the lungs.

05: FIRE FIGHTING MEASURES

Extinguishing Media:	Water, mist, fog, dry chemical, carbon dioxide, foam
Special Hazards Arising from the Substance/Mixture:	Product may generate toxic or corrosive gasses if burned, e.i. Carbon Dioxide (CO2). Use appropriate respiratory protection.
Advice for Fire Fighters:	Wear full protective gear and self-contained breathing apparatus (SCBA) for significant fires.

06: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with eyes and skin.
Environmental Precautions:	Do not discharge into soil or aquatic environment
Methods for Containment/Clean-Up:	Absorb spill with cloth, paper towel, sand, or sawdust, etc. If only part A or Part B is spilled, mix with an equal amount of the other part and allow to harden and then clean up the solid residue. Dispose properly in trash.

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07: HANDLING AND STORAGE

Handling Precautions:	For professional use only. Avoid eye/skin contact. Wash after using and before eating or smoking. Avoid breathing vapors. Use as directed. Avoid uncontrolled mixing with other mixtures (stong acids,bases and oxidizers). Do not use solvent to thin. Respiratory protection is required when ventilation is inadequate. NIOSH/OSHA approved respirators should be provided and worn.
Storage Requirements:	Store in cool/dry location. Keep away from extreme heat. Do not allow material to freeze, as product may be damaged. Store away from sparks and open flames.

08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	HMIS PP, H I Splash Goggles, Gloves, Apron, Vapor Respirator Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.
Personal Protective Equipment	RESPIRATORY PROTECTION: None normally required. Use a NIOSH approved organic vapor chemical cartridge respirator when air movement is inadequate to control vapor build-up. EYE/FACE PROTECTION: Wear splash proof chemical goggles/ full face shield if there is a potential for splashing. SKIN / BODY PROTECTION: Wear Suitable gloves (neoprene, nitrile rubber or PVC) and protective clothing to mitigate exposure. OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

09: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	yellow to brown viscous liquid
Odor:	Mild
pH:	Not applicable (non-aqueous)
Melting Point/Freezing Point:	Not Determined
Boiling Point:	Not Determined
Flash Point:	>93ºC/200ºF
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Upper/Lower Flammability Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density:	Part A: 1.0; Part B: 1.2
Solubilities:	Insoluble in water
Partition Coefficient (n-Octanol-Water):	Not Determined
Autoignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not explosive
Oxidizing Properties:	Not an oxidizer
Other:	Not a VOC

10: STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Moisture
Hazardous Decomposition Products:	Nitrogen oxides, Carbon monoxide, Carbon dioxide, Isocyanate, Isocyanic acid
Hazardous Polymerization:	other materials that react with isocyanates, or temperatures above 350F (177C)

11: TOXICOLOGICAL INFORMATION

Primary irritant effect:	
on the skin:	Irritant to skin and mucous membranes.
on the eye:	Irritating effect.
Sensitization:	
Inhalation:	Sensitization possible through inhalation.
Skin Contact	Sensitization possible through skin contact.
additional toxicological information:	The product shows the following dangers according to internally approved calculation methods for preparations: Harmful and Irritant

12: ECOLOGICAL INFORMATION

Aquatic toxicity	Very toxic to aquatic organisms, may cause long term adverse effects in the
Toxicity to other organisms:	No data available

13: DISPOSAL CONSIDERATIONS

When disposed of properly, this material does not meet RCRA classification or listing for hazardous waste. Never dispose of liquid to a landfill. Spilled material should be stabilized of solified prior to disposal. Once stabilized/solidified, the material may be disposed of through normal means. Certain localities and state laws have specific disposal requirements for non-hazardous industrial chemicals. Consult local municipal authorities, landfull personnel or disposal companies for details prior to any disposal activity. Always follow local, state and federal regulations.

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14: TRANSPORT INFORMATION

DOT: Not Regulated
IMDG: Not Regulated
IATA: Not Regulated

15: REGULATORY INFORMATION

All components of this product are on the TSCA inventory.
Superfund Amendments and Reauthorization Act:

Hazard Categories Immediate Hazard:	Yes
Delayed Hazard:	Yes
Fire Hazard:	No
Pressure Hazard:	No
Reactivity Hazard:	No

Prop 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16: OTHER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this SDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, as to its correctness or completeness, or as of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers or as to the results or reliance of this product. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

END OF SDS DOCUMENT

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