

## Safety Data Sheet

### Crackbond EJ-NS

Created On: 01/15/2014

Revision Date: 02/12/2015

Version: 2.0

#### 1. Product and Company Identification

**Product Name:** Crackbond EJ-NS

**Product Use:** Concrete Repair

**Company Identification:**

ADHESIVES TECHNOLOGY CORP.  
450 East Copans Road  
Pompano Beach, FL 33064  
Contact Phone: 1.800.892.1880  
(9:00a.m. – 5:00p.m. EST)

**Emergency Phone:**

Chem-Tel:  
1.800.255.3924 (24hrs)

#### 2. Hazards Identification

**GHS Classification**

Health	Physical	Environmental
Eye Irritant Cat 2A Skin Sensitizer Cat 1 Carcinogen Cat 2	Not Classified	Not Classified

GHS Label:

**Warning:**



Skin Sensitizer  
Eye Irritant

**Emergency Overview**

May cause skin sensitization  
Causes serious eye irritation  
May cause cancer  
Wash skin thoroughly after handling  
Avoid breathing fume/gas/mist/vapors/spray  
Wear protective gloves/ protective clothing/ eye protection/ face protection  
Use outdoors or in a well-ventilated area

**Primary Route of Exposure**

Eyes, skin and oral

**Carcinogenicity**

This product or one of its ingredients present at 0.1% or more IS listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possibly 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).

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### 3. Composition/ Information on Ingredients

<u>CAS Number</u>	<u>Content %</u>	<u>Chemical Name</u>
471-34-1	30- 60	Precipitated Calcium Carbonate
1317-65-7	10 – 15	Limestone
13463-67-7	1 - 5	Titanium Dioxide
Not Available	20 - 25	Silyl Terminated Polyether
Proprietary	15 - 30	Non – Hazardous Proprietary Ingredients
1333-86-4	>0.1	Carbon black (inbound in mixture)

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### 4. First Aid Measures

**Inhalation:** Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.

**Skin:** Remove contaminated clothing. Wash with mild soap and water. Get medical attention if skin irritation or dermatitis persists.

**Ingestion:** Give plenty of water. DO NOT induce vomiting. Call a physician immediately.

**Other:** Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If sensitization occurs, future contact with the material should be avoided.

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### 5. Fire Fighting Measures

Flash Point: N/D

Flammable Limits: N/D

#### **Extinguisher Media**

Carbon Dioxide, Dry Chemical, Water Fog

#### **Unusual Fire and Explosion Hazard**

None known. Thermal Decomposition can be formed.

#### **Special Fire Fighting Procedures**

Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

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### 6. Accidental Release Measures

#### **Personal Precautions:**

Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

#### **Environmental Precautions**

Cover spills with sawdust, vermiculite, or other absorbent material to minimize spreading of the material before collecting.

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#### 7. Handling and Storage

**Handling:** Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Use with adequate ventilation. Use appropriate personal protection equipment (Section 8). Wash thoroughly after handling.

**Storage:** Store in a cool dry place away from direct sunlight. Keep from freezing. Recommended storage temperature range in between 4 °C and 35 °C (40°F and 95° F).

#### 8. Exposure Control and Personal Protection

##### Exposure Guidelines

Carbonic acid, calcium salt (1:1)	471-34-1
NIOSH:	10 mg/m3 TWA 5 mg/m3 TWA (respirable dust)
OSHA (US):	15 mg/m3TWA(total dust); 5 mg/m3TWArespirable
Mexico:	10 mg/m3 TWA
Titanium dioxide	13463-67-7
ACGIH:	10 mg/m3 TWA
NIOSH:	5000 mg/m3IDLH
OSHA (US):	15 mg/m3TWA (total dust)
Mexico:	10 mg/m3TWA LMPE-PPT as Ti
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4
ACGIH:	0.1 mg/m3 TWA as Sn (related to Tin organic compounds)
NIOSH:	0.1 mg/m3TWA (except Cyhexatin) as Sn (related to Tin organic compounds)
OSHA (US):	0.1 mg/m3TWA as Sn (related to Tin organic compounds)
Mexico:	0.1 mg/m3TWA LMPE-PPT as Sn (related to Tin organic compounds)

**Engineering Measures:** 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**

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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.

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## 9. Physical and Chemical Properties

Appearance:	Paste
Evaporation Rate:	N/D
Odor:	Slight Odor
Solubility in Water:	Insoluble
Density:	1.6
Vapor Density(air = 1):	Non-volatile
Vapor Pressure:	N/D
VOC Content:	ND
pH:	N/D
Boiling Point:	N/D

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## 10. Stability and Reactivity

Stability:	Stable
Thermal Decomposition:	Can yield CO, CO <sub>2</sub> and organic Nitrogen compounds.
Incompatibility:	Strong acids, peroxides, and other oxidizing agents
Conditions to avoid:	Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

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## 11. Toxicological Information

**Acute Oral Toxicity:**  
Not Determined

**Acute Dermal Toxicity:**  
Not Determined

**Acute Inhalation Toxicity:**  
Not Determined

**Skin Irritation:**  
Irritating to skin

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The product has not been tested. The statement has been derived from the properties of the individual components.

#### **Eye Irritation:**

Seriously irritating to eyes.

The product has not been tested. The statement has been derived from the properties of the individual components.

#### **Respiratory Irritation:**

Inhalation of vapors or mists may cause irritation to the respiratory system.

#### **Sensitization:**

May cause allergic skin reaction and irritation to the respiratory system.

The product has not been tested. The statement has been derived from the properties of the individual components.

#### **STOT – single exposure**

Not Determined

#### **STOT – Repeated Exposure**

Not Determined

#### **Carcinogenicity Classification:**

##### **Titanium Dioxide:**

IARC Group 2B: Possibly carcinogenic to humans.

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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## 12. Ecological Information

#### **Fish:**

Diisodecyl:

LC50 96 h *Lepomis macrochirus* >0.55 mg/L [static]; LC50 96 h *Pimephales promelas* >1 mg/L [flow-through]

#### **Aquatic Invertebrates:**

Diisodecyl:

Water Flea *Daphnis*/EC 50 (48hrs): > 0.02mg/l [static] EPA

#### **Algae:**

Diisodecyl:

EC50 72 h *Desmodesmus subspicatus* >500 mg/L IUCLID; EC50 96 h *Pseudokirchneriella subcapitata* >0.8 mg/L [static] EPA

#### **Microorganisms:**

Diglycidyl Ether of Bisphenol A:

Bacteria, (Growth inhibition)/IC50 (18hrs): > 42.6mg/l

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**Mobility:**

Considering the use of the substance, it is unlikely that significant environmental exposure in the air or water will arise.

#### 13. Disposal Considerations

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

#### 14. Transportation Information

This product is not regulated as a hazardous material for transportation.

#### 15. Regulatory Information

HMIS Rating	
Health	3
Flammability	1
Physical Hazard	0
PPE	B

**NFPA Rating**



**Hazard Rating:** 0 = minimal, 1 = Slight, 2 = moderate, 3 = severe, 4 = extreme

Federal Regulations

CERCLA RQ

SARA Title 311/312

Not Determined

CA Prop 65

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

TSCA

Listed or Exempt

State Regulations:

State RTK

NJ, MA, PA, CA, MN

CAS#

1317-65-3

13463-67-7

Chemical Name

Limestone

Titanium Dioxide



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#### 16. Other Information

**Hazard Communication:** This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard

To the best of our knowledge, the information contained herein is accurate. However, Adhesives Technology Corp. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Additional information is available upon request.