

Safety Data Sheet
CRACKBOND® EJ-SL

Created On: 01/15/2014
 Revision Date: 11/01/2016
 Version: 5.0

1. Product and Company Identification

Product Name: CRACKBOND EJ-SL

Product Use: Joint Treatment

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 Damage/Irritation Category 2A Sensitization-Skin Category 1	Not Classified	Not Classified

GHS Label:

Warning:



Hazard Statements:

Causes serious eye irritation
May cause an allergic skin reaction

Precautionary Statements:

Response:

If eye irritation persists: 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.
 If medical advice is needed, have product container or label at hand.
 If on skin: Wash with plenty of soap and water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.

Prevention:

Avoid breathing dust/fume/gas/mist/ vapors/spray.
 Contaminated work clothing must not be allowed out of the workplace.
 Wash hands thoroughly after handling.
 Wear eye protection/face protection.
 Wear protective gloves.

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Storage: N/A

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations

Ingredients of unknown toxicity: 0%

Hazards not otherwise classified

Other hazards: none known

3. Composition/ Information on Ingredients

<u>CAS Number</u>	<u>Content %</u>	<u>Chemical Name</u>
1760-24-3	< 1%	N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane
22673-19-4	< 1%	Dibutyltin Diacetyldiacetate
2768-02-7	< 1%	Vinyltrimethoxysilane
52829-07-9	< 1%	Bis(2,2,6,6-tetramethyl-4-piperidyl)-sebacate
3864-99-1	< 1%	Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1 dimethylethyl)-
13463-67-7	1%-5%	Titanium Dioxide
64742-46-7	1%-5%	Distillates (petroleum), hydrotreated middle
26761-40-0	12%-16%	Diisodecyl phthalate
NA1	20% - 25%	Silyl Terminated Polyether
1317-65-3	50% - 55%	Calcium carbonate

4. First Aid Measures

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Ingestion: If a large amount is swallowed, get medical attention.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically and supportively.

Most Important Symptoms/Effects: Acute: Causes serious eye irritation. Delayed: May cause allergic skin reaction.

5. Fire Fighting Measures

Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media

None known

Special Hazards Arising from the Chemical

None known.

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Hazardous Combustion Products

Oxides of carbon, carbon monoxide, oxides of calcium

Special Protective Equipment and Precautions for Firefighters

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Dike for later disposal.

Fire Fighting Measures

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid contact with skin and eyes. Wash contaminated clothing before reuse.

Methods and Materials for Containment and Cleaning Up

Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal.

Environmental Precautions

Collect spilled material using mechanical equipment. Keep out of water supplies and sewers.

7. Handling and Storage

Precautions for Safe Handling

Avoid contact with skin and eyes. Provide adequate ventilation. Wash thoroughly after handling. Use recommended personal protective equipment.

Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a cool dry place. Keep away from incompatible materials.

Incompatible Materials

Oxidizing materials, bases, combustible materials, strong acids, strong bases.

8. Exposure Control and Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	N/A	N/A	N/A
Dibutyltin Diacetyldiacetate	N/A	N/A	N/A
Vinyltrimethoxysilane	N/A	N/A	N/A
Bis(2,2,6,6-tetramethyl-4-piperidyl)-sebacate	N/A	N/A	N/A

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Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	N/A	N/A	N/A
Titanium Dioxide	10 mg/m3	15 mg/m3	N/A
Distillates (petroleum), hydrotreated middle	5 mg/m3	5 mg/m3	10 mg/m3
Diisodecyl phthalate	N/A	N/A	N/A
Silyl Terminated Polyether	N/A	N/A	N/A
Calcium Carbonate	10 mg/m3	5 mg/m3	N/A

Personal Protective Equipment

Goggles, Gloves

Biological Limit Value

There are no biological limit values for any of this product's components. Engineering Controls Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Glove Recommendations

Wear appropriate chemical resistant gloves.

9. Physical and Chemical Properties

Physical State	Paste
Color	Refer to Product label
Odor	Typical
Odor Threshold	Not available
Solubility	Insoluble in Water
Partition coefficient water/n-octanol	Not available
VOC	34 g/L (tested per EPA CFR 40, Part 60, method 24)
Viscosity	Not available
Specific Gravity	1.55
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	200 °C
FP Method	N/A
Ph	Not available

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Melting Point	Not available
Boiling Point	Not available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not available
Flammability	Not available
Decomposition Temperature	Not available
Auto-ignition Temperature	Not available
Vapor Pressure	Not available
Vapor Density	Not available

Note: The above information is not intended for use in preparing product specifications. Contact ATC before writing specifications.

10. Stability and Reactivity

Reactivity:

No hazard expected.

Chemical Stability:

Stable under normal conditions of use.

Possibility of Hazardous Reactions:

No hazard expected.

Conditions to Avoid:

Avoid contact with incompatible materials.

Incompatible Materials:

Oxidizing materials, bases, combustible materials, strong acids, strong bases

Hazardous Combustion Products:

Oxides of carbon, carbon monoxide, oxides of calcium

11. Toxicological Information

Information on Likely Routes of Exposure

Inhalation: No information on significant adverse effects.

Skin Contact: May cause allergic skin reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: No information on significant adverse effects

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Diisodecyl phthalate (26761-40-0)
Oral LD50Rat 64 g/kg
Dermal LD50Rabbit >3160 mg/kg
Inhalation LC50Rat >12.54 mg/L 4 h

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Titanium dioxide (inbound in mixture) (13463-67-7)
Oral LD50Rat >10000 mg/kg

Distillates (petroleum), hydrotreated middle (64742-46-7)
Oral LD50Rat 7400 mg/kg
Dermal LD50Rabbit >2000 mg/kg
Inhalation LC50Rat 4.6 mg/L 4 h

Bis (2,2,6,6-tetramethyl-4-piperidyl)-sebacate (52829-07-9)
Inhalation LC50Rat 500 mg/m³ 4 h

Acute and Chronic Toxicity:**Immediate Effects**

Causes serious eye irritation.

Delayed Effects

May cause allergic skin reaction.

Irritation/Corrosivity Data

Causes serious eye irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

May cause allergic skin reaction.

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No information on significant adverse effects.

Specific Target Organ Toxicity - Repeated Exposure

No information on significant adverse effects.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

Eye disorders, skin disorders

Component Carcinogenicity

Diisodecyl phthalate (26761-40-0)
DFG: Category 3B (could be carcinogenic for man)
Titanium dioxide (inbound in mixture) (13463-67-7)
ACGIH: A4 - Not Classifiable as a Human Carcinogen

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IARC: Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))
 DFG: Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra-small particles)
 OSHA: Present

12. Ecological Information

Component Analysis - Aquatic Toxicity

Diisodecyl phthalate (26761-40-0)

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

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

Invertebrate: EC50 48 h *Daphnia magna* >0.02 mg/L [static] EPA
 Distillates (petroleum), hydrotreated middle (64742-46-7)

Fish: LC50 96 h *Pimephales promelas* 35 mg/L [flow-through]
 LC50 96 h *Pimephales promelas* >10000 mg/L [static]

13. Disposal

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international 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



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

U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

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SARA Section 311/312 (40 CFR 370 Subparts B and C)

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

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Ground Limestone (1317-65-3): MA, MN, NJ, PA
Titanium dioxide(inbound in mixture) (13463-67-7): MA, MN, NJ, PA

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer
Titanium dioxide(inbound in mixture) (13463-67-7)
Carcinogen , initial date 9/2/11 (airborne, unbound particles of respirable size)

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects
Diisodecyl phthalate (26761-40-0)
Developmental toxicity, initial date 4/20/07

Canada

WHMIS Ingredient Disclosure List (IDL)

The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL. WHMIS Classification D2B

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.