

Cyberbond

Titan 8222 MATERIAL SAFETY DATA SHEET

The Power of Adhesive Information
cb
Cyberbond™

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1 - Chemical Product and Company Identification

Product Name	Titan 8222	Product Type	Anaerobic
Date Revised	2/28/2012	Emergency Number	800-535-5053

2 - Composition/Information on Ingredients

Ingredients	CAS Number	%
Dimethacrylate Ester	25852-47-5	90-95
Polyglycol Dioctanoate	18268-70-7	10-15
Saccharin	81-07-2	1-3
Cumene Hydroperoxide*	80-15-9	1-3
N,N-Dialkyltoluidines	613-48-9	.01-1.0

*This component is listed as a SARA section 313 toxic chemical

Ingredients which Have Exposure Limits Exposure Limits (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
Cumene Hydroperoxide	None	None	1ppm (6mg/m3) Skin (WEEL)

3 - Hazards Identification

Primary Routes of Entry:	Eye, skin contact and inhalation.
Signs and Symptoms of Exposure:	May cause dermatitis with prolonged contact on sensitive individuals. May cause respiratory tract irritation.
Existing Conditions Aggravated by Exposure:	Eye, skin and respiratory disorders
Toxicity	Mild Eye Irritant
Inhalation	May cause irritation to nose and throat.

4 - First Aid Measures

<i>Ingestion:</i>	Do not induce vomiting. Keep individual calm. Obtain medical attention.
<i>Inhalation:</i>	Remove to fresh air. If symptoms persist get medical attention.
<i>Skin Contact:</i>	Wash affected area with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<i>Eye Contact:</i>	Flush with warm water for at least 15 minutes. Obtain medical attention.

5 - Fire Fighting Measures

<i>Flash Point:</i>	>93°C (200°F) Method: Tag Closed Cup
<i>Extinguishing Media:</i>	Foam, Dry Chemical, or Carbon Dioxide
<i>Unusual Fire or Explosion Hazards:</i>	None
<i>Special Fire Fighting Procedures:</i>	None
<i>Hazardous Products Formed by Fire or Thermal Decomposition:</i>	Irritating organic vapors; oxides of carbon, sulfur and nitrogen

6 - Accidental Release Measures

<i>Steps to be taken in case of spill or leak:</i>	Soak up with inert absorbent. Store in a partly filled, closed container until disposal. Prevent product from entering drains.
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7 - Handling and Storage

<i>Safe Storage:</i>	Store at or below 100°F. Keep in a cool, well ventilated area, away from heat, sparks or open flame.
<i>Handling:</i>	Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Wash thoroughly after handling.

8 - Protective Equipment

<i>Eye Protection:</i>	Safety glasses or goggles with side shields.
<i>Skin:</i>	Rubber, polyethylene, or neoprene gloves.
<i>Ventilation</i>	Local exhaust is recommended when general ventilation is insufficient.
<i>Respiratory Protection:</i>	Use NIOSH approved respirator for individuals who are sensitive.

9 - Physical and Chemical Properties

<i>Appearance:</i>	Yellow liquid
<i>Odor:</i>	Mild
<i>Boiling Point:</i>	Greater than 149°C (300°F)
<i>Vapor Pressure:</i>	Less than 5mmHg @ 27°C (80°F)
<i>Vapor Density:</i>	Not available
<i>Evaporation Rate:</i>	Not applicable
<i>Specific Gravity:</i>	1.08
<i>Solubility in Water:</i>	Slight
<i>VOC Content:</i>	1.86%; 17.75 g/L (EPA Method 24)

10 - Stability and Reactivity

<i>Stability:</i>	Stable
<i>Hazardous Polymerization:</i>	Will not occur
<i>Incompatibility:</i>	Strong oxidizers, free radical initiators, strong reducing agents, alkalis.
<i>Hazardous Decomposition Products:</i>	Oxides of carbon, sulfur and nitrogen.

11 - Toxicological Information

Acute oral product toxicity: LD50 >10,000 mg/kg (rat). Acute dermal product toxicity: LD50 > 5000 mg/kg (rabbit).

12 - Ecological Information

No data

13 - Disposal Considerations

Disposal Procedures: Dispose of in accordance with local and EPA regulations. Not a RCRA Hazardous waste.

14 - Transportation Information

Domestic Ground Transport:

<i>Proper shipping name:</i>	Unrestricted
<i>Hazard Class or Division:</i>	Unrestricted
<i>Identification Number:</i>	None
<i>Marine Pollutant:</i>	No

International Air Transportation (ICAO/IATA):

<i>Proper shipping name:</i>	Unrestricted
<i>Hazard Class or Division:</i>	None
<i>Identification Number:</i>	None
<i>Packing Group:</i>	None

Water Transportation (IMO/IMDG):

<i>Proper shipping name:</i>	Unrestricted
<i>Hazard Class or Division:</i>	None
<i>Identification Number:</i>	None
<i>Packing Group:</i>	None
<i>Marine Pollutant:</i>	None

15 - Regulatory Information

<i>CA Proposition 65:</i>	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
<i>TSCA:</i>	All components are on the US TSCA inventory
<i>CERCLA SARA 313:</i>	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Cumene hydroperoxide (CAS# 80-
<i>CEPA DSL/NDSL(Canada):</i>	All components are listed on or exempt from listing on the Canadian Domestic Substances List.
<i>WHMIS (Canada):</i>	D.2.A, D.2.B

16 - Other Information

<i>Hazard:</i>	<i>NEPA Hazard Code</i>	<i>HMIS Hazard Code</i>
<i>Health:</i>	2	2
<i>Fire:</i>	1	1
<i>Reactivity:</i>	1	1
<i>Specific Hazard:</i>	None	Personal Protection; See Section 8

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