

Cyberbond



SMA
Activator
Aerosol MATERIAL SAFETY DATA SHEET

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1 - Chemical Product and Company Identification

<i>Product Name</i>	SMA Activator Aerosol	<i>Product Type</i>	Cyanoacrylate Accelerator
<i>Date Revised</i>	4/4/2013	<i>Emergency Number</i>	800-535-5053

2 - Composition/Information on Ingredients

<i>Hazardous Component</i>	<i>CAS Number</i>	<i>%</i>
Acetone	67-64-1	60-71
Propane	74-98-6	20-26
N-Butane	106-97-8	8-10
N,N-Dimethyl-P-Toluidine	99-97-8	1-3

<i>Ingredients which Have Exposure Limits</i>	<i>ACGIH (TLV)</i>	<i>OSHA (PEL)</i>	<i>OTHER</i>
<i>Exposure Limits (TWA)</i>			
Acetone	500 ppm TWA	1000 ppm	
Propane	2500 ppm TWA	1000 ppm	
N-Butane	800 ppm TWA	800 ppm	
N,N-Dimethyl-P-Toluidine	n/e	n/e	

3 - Hazards Identification

<i>Toxicity:</i>	Expoure may aggravate asthma or other respiratory ailments. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.
<i>Primary Routes of Entry:</i>	Skin contact, eye contact, inhalation.
	Exposure to high concentrations of vapors may cause drowsiness, breathing difficulty, respiratory irritation, or headaches. Intentional misuse by deliberately concentrating and inhaling the contents may

Signs of Exposure: Irritation, or headaches. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contact may dry skin causing cracks and irritation. Contact may cause redness, irritation, tearing, and blurred vision. May be harmful if swallowed.

4 - First Aid Measures

<i>Ingestion:</i>	Do NOT induce vomiting. Get medical attention immediately.
<i>Inhalation:</i>	Move to fresh air. Contact emergency medical support if breathing stops or is irregular.
<i>Skin Contact:</i>	Remove contaminated clothing and wash before reuse. Wash skin with soap and water. Get medical attention if irritation develops.
<i>Eye Contact:</i>	Immediately flush eyes with water for at least 15 minutes. If irritation develops get medical attention.

5 - Fire Fighting Measures

<i>Flash Point:</i>	<-18C (-0.4F) c.c.
<i>Extinguishing Media:</i>	CO2 (Carbon Dioxide), dry chemical, or water fog.
<i>Unusual Fire or Explosion Hazards:</i>	None
<i>Special Fire Fighting Procedures:</i>	Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat. Full protective equipment including self-contained breathing apparatus should be used.
<i>Hazardous Products Formed by Fire or Thermal Decomposition:</i>	These products are carbon oxides (CO,CO2).

6 - Accidental Release Measures

Remove all sources of ignition. Vapors are heavier than air and can travel a considerable distance to an ignition source. Soak up spill with an inert material (clay, sand, sawdust) and store in a closed metal container until ready for disposal.

Steps to be taken in case of spill or leak: Use spark-proof tools to sweep or scrape up and containerize. Ventilate the area.

7 - Handling and Storage

Safe Storage: Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 120 F (48 C). Storage conditions should comply with NFPA 30B and OSHA 1910.106. If storing in cold temperatures, allow product to warm to room temperature before use.

<i>Handling:</i>	Vapors may ignite explosively. Prevent buildup of vapors; use with adequate ventilation. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate (burn) container.
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8 - Protective Equipment

<i>Ventilation:</i>	Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.
<i>Respiratory Protection:</i>	Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.
<i>Skin:</i>	Chemical resistant gloves if contact is likely.
<i>Eye Protection:</i>	Wear safety glasses with side shields. Have eye wash facilities immediately available.

9 - Physical and Chemical Properties

<i>Appearance:</i>	Liquid spray mist
<i>Odor:</i>	Solvent odor
<i>Boiling Point:</i>	n/a (pressurized mixture)
<i>Vapor Pressure:</i>	~ 50 psig @ 10°C (70°F)
<i>Vapor Density:</i>	n/a
<i>Evaporation Rate:</i>	Faster than ether
<i>Specific Gravity:</i>	0.629 @ 15°C (60°F)
<i>Solubility in Water:</i>	Negligible
<i>VOC Content (EPA Method 24):</i>	0.3135

10 - Stability and Reactivity

<i>Stability:</i>	Stable under normal conditions
<i>Hazardous Polymerization/ Decomposition:</i>	By fire - carbon oxides
<i>Incompatibility:</i>	Avoid contact with heat, sparks and flames.

11 - Toxicological Information

Prolonged over-exposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated the repeated and prolonged occupational OVER- EXPOSURE to solvents with

brain and nervous system damage. The deliberate misuse by concentrating and inhaling the vapors may be harmful or fatal.

Acute Toxicity:

Acetone has LD50 of 1000 mg/kg (oral) and 2400 mg/kg (dermal). Propane has LD50 of 1000 mg/kg (oral) and 1800 mg/kg (dermal).

12 - Ecological Information

No data available.

13 - Disposal Considerations

Disposal Procedures:

Do not puncture, incinerate or place container in trash compactor. Dispose of product in accordance with Federal, State, and Local regulations. Empty containers are 95% steel; recycle where allowed.

14 - Transportation Information

Domestic Ground Transport:

<i>Proper shipping name:</i>	Aerosols, flammable
<i>Hazard Class or Division:</i>	2.1
<i>Identification Number:</i>	UN 1950
<i>Packaging Group:</i>	n/a

International Air Transportation (ICAO/IATA):

<i>Proper shipping name:</i>	Aerosols, flammable
<i>Hazard Class or Division:</i>	2.1
<i>Identification Number:</i>	UN 1950
<i>Packaging Group:</i>	n/a

Water Transportation (IMO/IMDG):

<i>Proper shipping name:</i>	Aerosols
<i>Hazard Class or Division:</i>	2.1

Hazard Class or Division: 2.1

Identification Number:	UN 1950
Packaging Group:	n/a
Marine Pollutant:	None

15 - Regulatory Information

US Federal Regulations:

TSCA 8b Inventory Status:	All components are listed or exempt
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	0
CERCLA/SARA 313:	40 CFR 372.45 (c) (5): N,N-Dimethyl-Toluidine

International Regulations:

State and Local Regulations:

None	
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16 - Other Information

<u>Hazard:</u>	<u>NFPA Hazard Code</u>	<u>HMIS Hazard Code</u>
Health:	2	2
Fire:	4	4

<i>Reactivity:</i>	1	1
<i>Specific Hazard:</i>	N/A	Personal Protection; See Section 8

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