

GC Electronics
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Product Name: Rubber to Metal Cement II

MSDS Number: 287
Revision Date: 3/14/11
Supersedes Date: 3/14/08

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: **Adhesive**
Product Name: **Rubber to Metal Cement II**
Part Number(s): **10-354**

Emergency Contact: **Chemtrec**
Phone (24 hours): **(800) 424-9300**

Section 1 - Identification of Product

HMIS Ratings:	Least	0
	Slight	1
Health 2	Moderate	2
Flammability 3	High	3
Reactivity 0	Extreme	4
Personal Protection B	Gloves, Safety Glasses	B

Section 2 - Hazardous Ingredients

Hazardous Components	CAS#	%	SARA 313		OSHA PEL	ACGIH TLV	OSHA ACGIH STEL	LD50 SKIN RABBIT	LD50 ORAL RAT	LC50 VAPOR RAT
			LIST	RQ						
*Acetone	67-64-1	51-61	yes		750 ppm	750 ppm	1000 ppm	20.0 g/kg	9.75 g/kg	16,000 ppm/4hr

*Appears in Section 313 of the toxic chemicals list of title III of the Superfund Amendment and Reauthorization Act. (SARA) of 1986.

Section 3 - Physical Data

Boiling Point initial (F):	133
Specific Gravity:	.88
Vapor Pressure (mm Hg):	186
% Volatile (Volume):	75%
Vapor Density (Air=1):	2.0
Evaporation Rate (ether=1):	1.9
Solubility in Water:	Yes – VOC (gm/l) of adhesive, less water and less exempt compounds <2.0 g/l
Appearance & Odor:	Black viscous liquid

Section 4 - Fire & Explosion Hazard Data

Flash Point (method):	-4 F.T.C.C.
Flammable Limits:	LEL: 2.6 UEL: 12.8
Extinguishing Media:	Dry chemical, carbon dioxide, alcohol foam.
Special Fire Fighting Procedures:	Self-contained breathing apparatus with a full-face piece operated in a pressure demand or other pressure mode.
Unusual Fire and Explosion Hazards:	Material is highly volatile and readily gives off vapors which may travel and cause flash fires or be ignited by any flame source.

Section 5 - Health Hazard Data

Primary Routes of Entry:	Inhalation, Skin contact.
Effects of Acute Over Exposure	
Eyes:	Can cause severe irritation, redness, tearing, blurred vision.
Skin:	Prolonged or repeated contact can cause moderate irritation, defatting, or dermatitis.
Inhalation:	Excessive inhalation of vapors can cause nasal and respiratory irritation. Central nervous system effects include dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even death.
Ingestion:	Can cause gastrointestinal irritation, nausea and vomiting.
Emergency First Aid Procedures	
Eye Contact:	For direct contact, flush eyes with water for at least 15 minutes and seek medical attention.
Skin Contact:	Remove contaminated clothing. Thoroughly cleanse by washing area with mild soap and water. If irritation or redness develops and persists, seek medical attention.
Inhalation:	Remove victim to fresh air. If breathing has stopped, artificial respiration should be administered. If breathing difficulties persist, oxygen should be administered by qualified personnel. Seek medical attention immediately.
Ingestion:	Do not induce vomiting. Keep person warm and quiet. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal. Seek medical attention immediately.
Effects of Chronic Over Exposure:	Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
Acetone:	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

Section 6 - Reactivity Data

Stability: Unstable () Stable (X)
Conditions to Avoid: N/A
Incompatibility (Material to avoid): Strong acids or bases, oxidizing agents and amines.

Hazardous Decomposition or
By-products: Combustion may yield carbon monoxide and or carbon dioxide.
Hazardous Polymerization: May Occur () Will Not Occur (X)
Conditions to Avoid: N/A

Section 7 - Spill or Leak Procedures

Steps to Be Taken in Case Material
Is Released or Spilled: Eliminate all ignition sources, stop spill at source, contain by dike, transfer material into suitable container. Absorb remainder with clay, vermiculite or other absorbent material and dispose of properly.

Waste Disposal Method: Liquid incineration, or may be disposed of in a Hazardous Material landfill in accordance with all state, local and federal regulations.

Section 8 - Special Protection Information

Respiratory Protection: Yes, if TLV levels are exceeded NIOSH/MESA approved.
Ventilation: Provide sufficient mechanical and/or local exhaust ventilation to maintain exposure level below TLVs.

Protective Gloves: Yes
Eye Protection: Chemical splash goggles.
Other Protective Equipment: Impervious clothing and face shield if necessary
Work/Hygienic Practices: Clean spills immediately. Wash clothing if contaminated before re-wearing. Practice good industrial hygiene.

Section 9 - Special Precautions

Precautions to be Taken in Handling
And Storage: Keep container closed. Use only with adequate ventilation. Keep away from heat sources, spark or open flame sources.

Other Precautions: Empty containers can be hazardous due to residue. Dispose of properly.

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Section 10 - Regulatory Information

Effects of Chronic Overexposure:	Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
Acetone:	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.
DOT Classification:	Adhesive
Packing Group:	II
Label:	ORM-D
Description:	Acetone
Hazard Class:	3
UN or NA ID #:	UN1133
NOTE:	Judgment of potential hazards of this mixture is based on information available about individual components listed in section 2. Direct testing of mixture has not been done.

*Appears in Section 313 of the toxic chemical s list of title III of the Superfund Amendment and Reauthorization Act (SARA) of 1986

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