



Date Issued: February 16, 2011  
Supersedes Date: 01/20/2011

## MATERIAL SAFETY DATA SHEET

### Section 1: Chemical Product and Company Identification

Cat#: A-EM16  
Part Name: ACETONE EM GRADE  
Supplier: Triangle Biomedical Sciences, Inc. (TBS)  
3014 Croasdaile Drive  
Durham, NC 27705  
Phone: 919-384-9393

Emergency Notification: ChemTel Inc. 1-888-255-3924 International +01-813-248-0585

### Section 2: Composition/ Information on Ingredients

Item #	Name	CAS#	% in product
1	Acetone	000067641	100

#### OSHA (ACGIH) Exposure Limits

CAS#	IDHL	TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
000067641	2,500						
	OSHA:	Not	2400	--	--	--	--
	ACGIH:	500	1188	750	750	--	--

### Section 3: Hazards Identification

Causes skin and eye irritation.

Flammable liquid and vapor.

Hazard Ratings:

These ratings are TBS' own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not

Health	Flammability	Reactivity
1	----- 3	----- 0

### Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If swallowed, NO NOT INDUCE vomiting. Give 8 oz. of water or milk to drink. Call a physician or the POISON CONTROL CENTER immediately. Never give anything by mouth to an unconscious person.

Remove to fresh air.

Separate eyelids with finger tips.

Wash skin with deluge of water for at least 15 minutes.

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

**Section 5: Fire Fighting Measures**

Flash point, deg F.: 0 Method:  
 UEL: 12.8 LEL: 2.5 Autoignition temperature, deg. F.: 869  
 Flammability no data Flame Propagation no data  
 Hazardous Combustion Products: none

**Section 6: Accidental Release Measures**

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Remove ignition sources.

**Section 7: Handling and Storage**

Store at 25 deg. C.

**Section 8: Exposure Controls/ Personal Protection**

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Use process enclosures, local exhaust ventilation, or other engineering controls.

**Section 9: Physical and Chemical Properties**

Formula:	C3H6O	vapor pressure:	181 mm Hg @ 20 deg. C.
Formula Weight:	58.08	vapor density:	2.0
boiling point:	133	Specific gravity:	0.7915
melting point:	-137	ph:	7
solubility:	complete	appearance:	clear colorless liquid

**Section 10: Stability and Reactivity**

Chemical	stable
Conditions to Avoid:	none
Incompatibility with other	none
Hazardous Decomposition	none
Hazardous	will not occur

**Section 11: Toxicological Information**

Acute LD50 oral rat 5.8 g/Kg  
 LD50 skin rabbit 20000 mg/kg  
 LC50 inhalation rat 8 hrs 50000 mg/m3  
 Subchronic data: no data

**Section 12: Ecological Information**

no data

**Section 13: Disposal Considerations**

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
------	------------	----------------

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

000067641 U002 Acetone

**Section 14: Transportation Data**

Refer to bill of lading or container label for DOT or other transportation hazard classification , if any.

**UN Number:** 1090**Section 15: Regulatory Information**

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
000067641	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	FL	MA	MN	PA	WA
000067641					

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated Name	de minimis conc.	%Rep. Thres.
000067641	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated Name	TPQ (pounds)	EHS-RQ(pounds)
000067641	not listed	not listed	not listed

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ pounds
000067641	Not listed	Not listed

**Section 16: Other Information**

**TRIANGLE BIOMEDICAL SCIENCES (TBS)** provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. TBS makes no representation or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, TBS will not be responsible for damages resulting from the use of or reliance upon this information.

**END OF MSDS**

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required