

Material Safety Data Sheet

(14270-06 – JB-4 Catalyst)

Section 1: Chemical Product and Company Identification

<p>Product Name: JB-4 Catalyst</p> <p>Catalog Number: 14270-06</p> <p>CAS#: See Section 2 below</p>	<p>Contact Information: Electron Microscopy Sciences 1560 Industry Road Hatfield, PA 19440 1-215-412-8400 (phone) 1-800-523-5874 (toll-free) 1-215-412-8450 (fax) Order Online: emsdiasum.com</p> <p>CHEMTREC (24-Hour Emergency Telephone), call: 1-800-424-9300</p>
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Section 2: Composition and Information on Ingredients

Item #	Name	CAS#	% in Product
1	Benzoyl Peroxide	000094360	50
2	Dicyclohexyl phthalate	000084617	50

OSHA (ACGIH) Exposure Limits

		TWA		STEL		CEILING	
		ppm	mg/m3	ppm	mg/m3	ppm	mgm/3
CAS# 000084617	IDLH: 20						
OS		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS# 000094360	IDLH: 1,500 mg/m3						
OS		Not classified	5	---	---	---	---
ACGIH		---	5	---	---	---	---

Section 3: Hazards Identification

<p>Can violently decompose at high temperatures. Causes skin and eye irritation. Oxidizing material.</p> <p>Hazard Ratings: These ratings are EMS' 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 available. Health – 1 Flammability – 2 Reactivity – 2</p>
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Section 4: First Aid Measures

<p>Flush eyes with flowing water for at least 15 minutes. If breathing is difficult, contact emergency personnel. If swallowed, wash out mouth with water if person is conscious. Remove contaminated clothing. Remove to fresh air. Separate eyelids with finger tips. Wash skin with deluge of water for at least 15 minutes.</p>

Section 5: Fire and Explosion Data

Flash point: nap
UEL: no data **LEL:** no data
Flammability Classification: no data
Hazardous Combustion Products: no data

Method:
Auto-ignition Temperature: deg. F: 140
Flame Propagation Rate: no data

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.

Protect personnel from exposure.
Remove ignition sources.
Sweep up solids.

Section 7 : Handling and Storage

Store at room temperature.

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

Section 9: Physical and Chemical Properties

Formula: nap **Vapor Pressure:** no data **Formula Weight:** nap
Vapor Density: no data **Boiling Point:** no data **Specific Gravity:** 0
Melting Point: no data **pH:** no data **Solubility:** negligible
Appearance: white free-flowing granules.

Section 10: Stability and Reactivity Data

Chemical stability: stable **Conditions to Avoid:** heat
Incompatibility with other materials: reactive materials, metals
Hazardous Decomposition Products: no data **Hazardous Polymerization:** will not occur

Section 11: Toxicological Information

Acute Data: no data
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 26.33. 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
000084617	not listed	not listed
000094360	not listed	not listed

Section 14: Transport Information

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

Section 15: Other Regulatory Information

All components of this product are on the TSCA public inventory.

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
000084617	no	no
000094360	no	no

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

CAS#	Regulated Name	MA	MN	NJ	PA	WA
000084617	not listed					
000075070	FL					

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.
000084617	not listed	not listed	not listed
000094360	Benzoyl peroxide	1.0	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)
000084617	not listed	not listed	not listed
000094360	Benzoyl peroxide	1.0	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)
000084617	not listed	not listed
000094360	not listed	not listed

Section 16: Other Information:

Last Updated, Verified and Printed: July 15, 2011

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Electron Microscopy Sciences be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Electron Microscopy Sciences has been advised of the possibility of such damages.