

Material Safety Data Sheet

Complies with EC no. 1907/2006
Issue Date: 11/15/2013

Section 1: Chemical Product and Company Identification

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Cat#: 0226A

Part Name: JB-4 SOLUTION A (DS #123)

Supplier: Polysciences, Inc.
400 Valley Road
Warrington, PA 18976 USA
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Identified uses: Laboratory use, manufacture of substances

Section 2: Hazards Identification

Hazard Overview

Causes skin and eye irritation.
Harmful if inhaled or absorbed through skin.
May cause allergic skin reaction.

GHS Classification

Acute Oral Toxicity Cat 4, Acute Inhalation Cat 4

Skin Irritant Cat 2, Eye Irritation Cat 2B

Skin Sensitizer Category 1B

Signal word: Warning



Hazard and Precautionary Statements

H312 + H332 Harmful in contact with skin or if inhaled
H315 + H320 Cause skin and eye irritation
H317 May cause an allergic skin reaction.
P285 In case of inadequate ventilation wear respiratory protection.
P301D IF SWALLOWED, induce vomiting as directed by medical personnel.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305B IF IN EYES, Separate eyelids with finger tips.
P315 Get immediate medical advice/attention.
P351 Rinse cautiously with water for several minutes.
P501 Dispose of contents/container to proper waste area in accordance with institutional practices and local, state or federal regulations.

NFPA Rating

Hazard Ratings:

These ratings are Polysciences' Inc. 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	Flammability	Reactivity
2	1	1

Section 3: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

Item#	Name	EINECS	CAS#	% in product
1	2-Hydroxyethyl methacrylate	212-782-2	0000868779	81 - 90
2	4-Methoxyphenol	205-769-8	0000150765	0 - 5
3	Ethanol, 2-butoxy	203-905-0	0000111762	11 - 20

Section 4: First Aid Measures

Contact medical personnel immediately.
Flush eyes with flowing water for at least 15 minutes.
If swallowed, induce vomiting as directed by medical personnel.
Separate eyelids with finger tips.
Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: >200 Method:
UEL: no data LEL: no data Autoignition temperature, deg. F.: no data
Flammability Classification: no data Flame Propagation Rate: 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.

No special measures are indicated.

Section 7: Handling and Storage

Store at room temp

Section 8: Exposure Controls/ Personal Protection

OSHA (ACGIH) Exposure Limits

	IDLH:	TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/m3	ppm	mg/m3
CAS#: 0000111762	IDLH: 700						
OSHA		ACGIH;CA	240	--	--	--	--
ACGIH		20	97	--	--	--	--
CAS#: 0000150765	IDLH: --						
OSHA		Not classifi	--	--	--	--	--
ACGIH		--	5	--	--	--	--
CAS#: 0000868779	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE

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.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product.

Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

Formula: no data vapor pressure: 0.1 mbar @ 20 C.
Formula Weight: no data vapor density: >1
boiling point: no data Specific gravity: 1.04
melting point: <-140 ph: no data
solubility: miscible appearance: colorless liquid

Section 10: Stability and Reactivity

Chemical Stabilit stable

Conditions to Avoid: high temperature

Incompatibility with other materials: peroxides; azo compounds; heavy metal ions; tertiary amines; sulfur compounds

Hazardous Decomposition Products: none

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: LD50 oral rat 5564 mg/Kg; LD50 dermal rabbit >3000 mg/Kg

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
0000111762	not listed	not listed
0000150765	not listed	not listed
0000868779	not listed	not listed

Section 14: Transportation Data

Proper Shipping Name
 Chemical Name
 UN
 Class
 PG

Section 15: Regulatory Information

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

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
0000111762	no	no
0000150765	no	no
0000868779	no	no

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

CAS#	
0000111762	not listed
0000150765	not listed
0000868779	not listed

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.
0000111762	not listed	not listed	not listed
0000150765	not listed	not listed	not listed
0000868779	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)
0000111762	not listed	not listed	not listed
0000150765	not listed	not listed	not listed
0000868779	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)
0000111762	Not listed	Not listed
0000150765	Not listed	Not listed
0000868779	Not listed	Not listed

Section 16: Other Information

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END OF MSDS