

MATERIAL SAFETY DATA SHEET

Date Revised: March 7, 2012

1. PRODUCT AND COMPANY INFORMATION

Product Name: PMA
Catalog Number: 40013
Unit Size: 1 mg
Manufacturer/Supplier: Biotium, Inc.
3159 Corporate Place. Hayward, CA 94545, USA
Phone: 1-510-265-1027, Fax: 1-510-265-1352
Web: <http://www.biotium.com>
Emergency Phone: 1-510-265-1027

2. COMPOSITION AND INFORMATION ON INGREDIENTS**Hazardous / Non-hazardous Components**

Chemical Name	CAS-No.	EINECS-No.	Weight%	Classification
PMA	-	-	>99%	-

3. HAZARDS IDENTIFICATION**European labeling in Accordance with EC Directives 1272/2008/EC****Classification****GHS label element, including precaution statement**

Pictogram None
Signal word None
Hazard statements None

Indication of danger:

Not hazardous

R-phrases(s)

No

4. FIRST AID MEASURES**Oral Exposure**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure

In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

5. FIRE FIGHTING MEASURES

Use carbon dioxide, dry chemical extinguishers, foam extinguishers or water. An approved self-contained breathing apparatus and protective clothing are recommended.

6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

7. HANDLING AND STORAGE

Storage

Store desiccated at 4°C. Avoid light exposure at all time, especially in solution.

Handling

User exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Under no circumstances eat, drink, or smoke while handling this material. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Recommended: Use original container

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure limits**

Chemical name	EU OEL(TWA)	EUOEL(STEL)	EU Skin Notation	Austria OEL (MAK)	Belgium (TWA)	Denmark(TWA)	Finland OEL (TWA)
PMA	-	-	-	-	-	-	-

Chemical name	France OEL (VME)	Germany OEL (TWA)	Ireland(TWA)	Italy OEL (TWA)	Netherlands OEL (MAC)	Spain OEL (TWA)	United Kingdom
PMA	-	-	-	-	-	-	-

ACGIH/OSHA Permissible Exposure Limit Data: Not determined

Engineering measures: No special precautions required.

Personal protective equipment

Respiratory protection: No special protective equipment required.

Hand protection: Protective gloves

Eye protection: Safety glasses with side- shields

Skin and body protection: Lightweight protective clothing

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: No special environmental precautions required

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Orange Red Solid
Odor:	Not available
Solubility in Water:	soluble
Specific Gravity:	Not available
pH:	Not available
Boiling Point:	Not available
Melting Point:	Not available
Flash Point:	Not available
Vapor Pressure:	Not available

10. STABILITY AND REACTIVITY

Stability: Stable

Thermal Decomposition: No decomposition if used according to specifications

Dangerous Reactions: No dangerous reactions identified

Dangerous Products of Decomposition: No dangerous decomposition products identified

11. TOXICOLOGICAL INFORMATION

RTECS Number:	None known
Acute Toxicity:	No information available

Potential Health Hazards:

Eyes No information available

Skin No information available

Inhalation No information available
Ingestion No information available

Carcinogenicity: Not listed by NTP, IARC or OSHA
Mutagenicity: No information available
Reproductive toxicity: No information available
Sensitization: No Information available

12. ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water course or sewage system. Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal. Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations, which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

14. TRANSPORT INFORMATION

DOT

Hazards Class: Not available
Identification Number: Not available
Packing Group: Not classified
Proper Shipping Name (Technical Name): Not available

IATA

Hazardous for air Transport: Non-hazardous for air transport

15. REGULATIONS

US Toxic Substances Control Act (TSCA): Not listed
US Other: Not applicable
EEC EINECS Number: Not identified
EEC Risk Statements: None identified

European labeling in Accordance with EC Directives 1272/2008/EC

Indication of danger

Not hazardous

R-phrases(s)

None

S-phrases(s)

None

International Inventories Not listed

16. OTHER INFORMATION

Disclaimer: The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.