



MATERIAL SAFETY DATA SHEET

PHMB PHOT

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	PHMB PHOT
PRODUCT NO.	X-272
PRODUCT USE	TESTING WATER
SUPPLIER	PALINTEST USA 21 KENTON LANDS ROAD ERLANGER KENTUCKY 41018 USA TEL 859 341 7423 TOLL FREE 800 835 9629 FAX 859 341 2106 INFO@palintestusa.com

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION

Not relevant at normal room temperatures. When heated, irritating vapors may be formed.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Powder may irritate skin. Skin irritation is not anticipated when used normally.

EYE CONTACT

Irritating to eyes.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
ADIPIIC ACID	204-673-3	124-04-9	10-30%
BROMOPHENOL BLUE	252-170-2	34725-61-6	< 1%
CITRIC ACID	201-069-1	77-92-9	10-30%
GUM ACACIA	232-519-5	9000-01-5	< 1%
LACTOSE		63-42-3	30-60%
LEUCINE		61-90-5	1-5%
TRISODIUM CITRATE		68-04-2	1-5%

4 FIRST-AID MEASURES

INHALATION

Unlikely route of exposure as the product does not contain volatile substances.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention.

SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet.

SPILL CLEAN UP METHODS

No specific clean-up procedure noted.

7 HANDLING AND STORAGE

HANDLING

Avoid contact with eyes.

STORAGE

Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
ADIPIIC ACID	ACGIH		5 mg/m ³			

ACGIH = American Conference of Governmental Industrial Hygienists.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid
COLOR	White / off-white
ODOR	Odorless
SOLUBILITY	Soluble in water.

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

11 TOXICOLOGICAL INFORMATION

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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14 TRANSPORT INFORMATION

TRANSPORT NOTES	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).
ROAD TRANSPORT NOTES	Not Classified
RAIL TRANSPORT NOTES	Not classified.
SEA TRANSPORT NOTES	Not classified.
AIR TRANSPORT NOTES	Not classified.

15 REGULATORY INFORMATION

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
ADIPIC ACID	DSL	Yes.						
LACTOSE	DSL	Yes.						
LEUCINE	DSL	Yes.						
TRISODIUM CITRATE	DSL	Yes.						
CITRIC ACID	DSL	Yes.						
BROMOPHENOL BLUE	NDSL	Yes.						
GUM ACACIA	DSL	Yes.						

COMPONENT	TSCA 12(b) Export Notification
ADIPIC ACID	No.
LACTOSE	No.
LEUCINE	No.
TRISODIUM CITRATE	No.
CITRIC ACID	No.
BROMOPHENOL BLUE	No.
GUM ACACIA	No.

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
ADIPIC ACID		5 000 lbs	No.
LACTOSE		Not Listed	No.
LEUCINE		Not Listed	No.
TRISODIUM CITRATE		Not Listed	No.
CITRIC ACID		Not Listed	No.
BROMOPHENOL BLUE		Not Listed	No.
GUM ACACIA		Not Listed	No.

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CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
ADIPIC ACID	Not Listed
LACTOSE	Not Listed
LEUCINE	Not Listed
TRISODIUM CITRATE	Not Listed
CITRIC ACID	Not Listed
BROMOPHENOL BLUE	Not Listed
GUM ACACIA	Not Listed

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
ADIPIC ACID	124-04-9	Not Listed	Not Listed	Yes.	Yes.	Yes.	Yes.	Yes.
LACTOSE	63-42-3	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
LEUCINE	61-90-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
TRISODIUM CITRATE	68-04-2	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
CITRIC ACID	77-92-9	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
BROMOPHENOL BLUE	34725-61-6	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
GUM ACACIA	9000-01-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

16 OTHER INFORMATION

VERSION No. 1
 SAFETY DATA SHEET STATUS
 Approved.
 DATE 8 Jan 2010
 SIGNATURE D Ellis

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.