



MATERIAL SAFETY DATA SHEET
SULPHATE (TURB) PHOT

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	SULPHATE (TURB) PHOT
PRODUCT NO.	X-154P
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
EMERGENCY TELEPHONE	0191 491 0808 (Mon-Fri 08:45 - 16:45)

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION

Harmful by inhalation. Unlikely to be hazardous by inhalation because of the low vapor pressure of the substance at ambient temperature.

Dust may irritate respiratory system or lungs.

SKIN CONTACT

Skin irritation is not anticipated when used normally.

EYE CONTACT

Particles in the eyes may cause irritation and smarting.

ROUTE OF ENTRY

Skin and/or eye contact. Ingestion. Inhalation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
ADIPIC ACID	204-673-3	124-04-9	10-30%
BARIUM CHLORIDE	233-788-1	10361-37-2	5-10%
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT		6381-92-6	5-10%
POTASSIUM CHLORIDE		7447-40-7	60-100%

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Get medical attention immediately!

SKIN CONTACT

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

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists:

Continue flushing during transport to hospital. Take along these instructions.

5 FIRE-FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

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SPECIFIC HAZARDS

The product is non-combustible. If heated, harmful vapors may be formed.

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

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.

STORAGE

Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
ADIPIC ACID	ACGIH		5 mg/m3			
BARIUM CHLORIDE	ACGIH		0,5 mg/m3			A4, as Ba
BARIUM CHLORIDE	PEL		0,5 mg/m3			as Ba
COMPONENT						IDLH
BARIUM CHLORIDE						50 mg/m3

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classified as a Human Carcinogen

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Not relevant.

HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash.

EYE PROTECTION

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

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

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
ODOR	Odorless
SOLUBILITY	Soluble in water

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION

No information available.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

There are no data on the ecotoxicity of this product. 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

WASTE MANAGEMENT

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

TRANSPORT NOTES

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
ADIPIC ACID	DSL	Yes						
BARIUM CHLORIDE	DSL	Yes						
POTASSIUM CHLORIDE	DSL	Yes						
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	DSL	No						

COMPONENT	TSCA 12(b) Export Notification
ADIPIC ACID	No
BARIUM CHLORIDE	No
POTASSIUM CHLORIDE	No
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	No

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
ADIPIC ACID		5 000 lbs	No
BARIUM CHLORIDE		Not Listed	No
POTASSIUM CHLORIDE		Not Listed	No
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT		Not Listed	No

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
ADIPIC ACID	Not Listed
BARIUM CHLORIDE	Not Listed
POTASSIUM CHLORIDE	Not Listed
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	Not Listed

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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
BARIUM CHLORIDE	10361-37-2	Not Listed	Not Listed	Not Listed	Yes	Not Listed	Not Listed	Yes
POTASSIUM CHLORIDE	7447-40-7	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
ETHYLENEDIAMINETETRAACETIC ACID DI SODIUM SALT	6381-92-6	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 10 November 2009

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.