



MATERIAL SAFETY DATA SHEET

NITRATEST POWDER

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME NITRATEST POWDER
 PRODUCT NO. X-163
 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)
 IDENTIFICATION No. 3077

2 HAZARDS IDENTIFICATION

Poses little or no immediate hazard.

POTENTIAL HEALTH EFFECTS

INHALATION

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

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

May cause sensitization by skin contact. Skin irritation is not anticipated when used normally.

EYE CONTACT

Particles in the eyes may cause irritation and smarting.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
BARIUM SULPHATE		7727-43-7	30-60%
SILICA	231-545-4	7631-86-9	1-5%
ZINC POWDER - ZINC DUST (STABILISED)		7440-66-6	60-100%

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Get medical attention if any discomfort continues. Contact physician if larger quantity has been consumed.

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

NITRATE TEST POWDER

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust.

ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses.

SPILL CLEAN UP METHODS

Do not contaminate water sources or sewer. Large Spillages Avoid generation and spreading of dust.

7 HANDLING AND STORAGE

HANDLING

Avoid spilling, skin and eye contact.

STORAGE

Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
BARIUM SULPHATE	ACGIH		10 mg/m ³			
BARIUM SULPHATE	PEL		5 mg/m ³			

ACGIH = American Conference of Governmental Industrial Hygienists.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

No specific hand protection noted, but gloves may still be advisable.

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	Powder, dust
COLOR	Grey
ODOR	Odorless
SOLUBILITY	Slightly soluble in water.

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

11 TOXICOLOGICAL INFORMATION

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

NITRATE TEST POWDER

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



DOT PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER - ZINC DUST (STABILISED))		
DOT PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER - ZINC DUST (STABILISED))		
IDENTIFICATION No.	3077	TUNNEL RESTRICTION CODE	(E)
CEPIC TEC(R) NO.	90GM7-III	UN NO. SEA	3077
IMDG CLASS	9	IMDG PAGE NO.	3
IMDG PACK GR.	III	EMS	F-A, S-F
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	3077	ICAO CLASS	9
AIR PACK GR.	III		

15 REGULATORY INFORMATION

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
ZINC POWDER - ZINC DUST (STABILISED)	DSL	Yes						
SILICA	DSL	Yes						
BARIUM SULPHATE	DSL	Yes						

COMPONENT	TSCA 12(b) Export Notification
ZINC POWDER - ZINC DUST (STABILISED)	No
SILICA	No
BARIUM SULPHATE	No

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
ZINC POWDER - ZINC DUST (STABILISED)		No RQ assigned	1.0 %
SILICA		Not Listed	No
BARIUM SULPHATE		Not Listed	No

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
ZINC POWDER - ZINC DUST (STABILISED)	Not Listed
SILICA	Not Listed
BARIUM SULPHATE	Not Listed

NITRATEST POWDER

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
ZINC POWDER - ZINC DUST (STABILISED)	7440-66-6	Not Listed	Yes	Yes	Not Listed	Not Listed	Yes	Yes
SILICA	7631-86-9	Not Listed	Yes	Yes	Yes	Not Listed	Yes	Not Listed
BARIUM SULPHATE	7727-43-7	Not Listed	Not Listed	Yes	Yes	Not Listed	Yes	Not Listed

16 OTHER INFORMATION

VERSION No. 1

SAFETY DATA SHEET STATUS

Approved.

DATE 2 December 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.