



MATERIAL SAFETY DATA SHEET

DPD ACIDIFYING

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME DPD ACIDIFYING
 PRODUCT NO. X-052
 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. 2509

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION
 Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

INGESTION
 May cause discomfort if swallowed.

SKIN CONTACT
 Causes burns.

EYE CONTACT
 Causes burns.

ROUTE OF ENTRY
 Skin and/or eye contact. Ingestion. Inhalation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
BORACIC ACID		10043-35-3	60-100%
POTASSIUM HYDROGENSULPHATE	231-594-1	7646-93-7	10-30%
SODIUM HYDROGEN CARBONATE	205-633-8	144-55-8	1-5%

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 skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT
 Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital taking along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
 Use fire-extinguishing media appropriate for surrounding materials.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Risk of contact: Wear protective gloves and goggles/face shield.

ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Collect in containers and seal securely. Keep the container in a safe place. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

HANDLING

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

STORAGE

Keep in original container. Store in a cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
BORACIC ACID	ACGIH		2 mg/m ³		6 mg/m ³	A4

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classified as a Human Carcinogen

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

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

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

Wash promptly with soap & water if skin becomes contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid
COLOR	White
ODOR	Odorless

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

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

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DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



DOT PROPER SHIPPING NAME	POTASSIUM HYDROGEN SULPHATE		
DOT PROPER SHIPPING NAME	POTASSIUM HYDROGEN SULPHATE		
IDENTIFICATION No.	2509	TUNNEL RESTRICTION CODE	(E)
CEFIC TEC(R) NO.	80GC2-II+III	UN NO. SEA	2509
IMDG CLASS	8	IMDG PACK GR.	II
EMS	F-A, S-B	UN NO. AIR	2509
ICAO CLASS	8	AIR PACK GR.	II

15 REGULATORY INFORMATION

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
POTASSIUM HYDROGENSULPHATE	DSL	Yes						
SODIUM HYDROGEN CARBONATE	DSL	Yes						
BORACIC ACID	No	No		Yes				

COMPONENT	TSCA 12(b) Export Notification
POTASSIUM HYDROGENSULPHATE	No
SODIUM HYDROGEN CARBONATE	No
BORACIC ACID	No

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
POTASSIUM HYDROGENSULPHATE		Not Listed	No
SODIUM HYDROGEN CARBONATE		Not Listed	No
BORACIC ACID		Not Listed	No

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
POTASSIUM HYDROGENSULPHATE	Not Listed
SODIUM HYDROGEN CARBONATE	Not Listed
BORACIC ACID	Not Listed

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
POTASSIUM HYDROGENSULPHATE	7646-93-7	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
SODIUM HYDROGEN CARBONATE	144-55-8	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
BORACIC ACID	10043-35-3	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

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16 OTHER INFORMATION

VERSION No.	1
SAFETY DATA SHEET STATUS	
Approved.	
DATE	30 April 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.