

Safety Data Sheet

Revision Date: 7/5/2014

SDS #: 10198

Phosphatase Substrate p-Nitrophenyl Phosphate Hexahydrate Disodium Salt
Tablets (pNPP)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:

Phosphatase Substrate p-Nitrophenyl
Phosphate Hexahydrate Disodium Salt Tablets
(pNPP)

Product Code

50-80-01

Hazardous Reagent

None

Hazardous Reagent Product code

None

Recommended Use

Contact Manufacturer KPL, Inc.
910 Clopper Road
Gaithersburg, Maryland 20878
USA

Phone #: 1-301-948-7755
Fax #: 1-301-948-0169
Web: www.kpl.com
Email: kplmsds@seracare.com

Emergency Telephone Numbers:

AUSTRALIA – POISONS INFORMATION CENTER	Telephone: 13 11 26	Hours: 24 hours
CANADIAN TRANSPORT EMERGENCY CENTER	Telephone: (1) 613 996 6666	Hours: 24 hours/day, 7 days/week
UK – THE NATIONAL FOCUS	Telephone: (44) 029 2041 6388	Hours: 09:00-17:00 GMT
USA- NATIONAL RESPONSE CENTER	Telephone: (1) 800 424 8802	Hours: 24 hours/day, 7 days/week

CHEMTREC: CHEMTREC Customer Number:- CCN12505*
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 CCN12505 or
+1 703-527-3887 (collect calls accepted)

2. HAZARD IDENTIFICATION

Hazard Type	GHS Classification in accordance with 29 CFR 1910 (OSHA HCS): The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment.
Principle Route of Exposure	Not Available
Acute Effects: Eye:	May cause redness and irritation
Acute Effects: Skin:	Prolonged and repeated contact with product may cause skin irritation.

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Acute Effects: Inhalation: May cause irritation to the respiratory tract.

Acute Effects: Ingestion: May be harmful if swallowed.

Chronic Effects: Not Available

Additional Information None Available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
Phosphatase Substrate p-Nitrophenyl Phosphate Hexahydrate Disodium Salt	Sodium Chloride	<10%	7647-14-5
GHS Classification	EC# : 231-598-3 CAS# : 7647-14-5 Substance Name : sodium chloride Molecular Formula : ClNa Not Classified		

4. FIRST AID MEASURES

General Advice	Wash contaminated clothing before reuse. Consult a physician if irritation persists
Oral Exposure	Rinse mouth. Refer for medical attention.
Inhalation Exposure	Remove subject to fresh air. Seek medical attention if necessary.
Skin Exposure	Rinse skin with plenty of water or shower. Remove all contaminated clothes and shoes.
Eye Exposure	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Alcohol-resistant foam. Dry powder. Carbon dioxide.
Unusual Fire and Explosive Hazards	Not Available
Flash Point	Not Available
Autoignition Temperature	Not Available
Flammability Statement	Not Available
Specific hazards arising from the chemical	Not Available
Protective equipment and precautions for firefighters	In case of fire: keep drums, etc., cool by spraying with water. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate personal protective clothing to prevent skin contact.
Environmental Precautions	Not Available
Method of Containment	Collect leaking and spilled liquid in sealable containers as far as possible.
Methods of Clean-up	Wash away remainder with plenty of water.
Other Information	Not Available

7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation in confined areas. Ensure adequate ventilation.
Storage:	Keep container tightly closed in a dry and well-ventilated place. Keep away from Bromine Trifluoride and Lithium.

8. EXPOSURE CONTROL

Respiratory Protection	None required if good ventilation is maintained. Otherwise wear MSHA/NIOSH approved respirator suitable for vapor or mist concentrations encountered.
Eye Protection	Direct contact with product may result in eye irritation.
Skin Protection	Prolonged and repeated contact with product may cause skin irritation.
Ingestion	Do not eat, drink, or smoke during work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder
Physical State	Solid
Odor	Not Available
Odor Threshold	Not Available
pH	Not Available
Boiling Point	Not Available
Evaporation Rate	Not Available
Vapor Density	Not Available
Vapor Pressure	Not Available
Relative Density	Not Available
Auto-Ignition Temperature	Not Available
Water Solubility	Dilutable
Flammability	Not Available
Flash Point	Not Available
Viscosity	Not Available
Oxidizing Properties	Not Available
Explosive Properties	Not Available
Additional Parameters	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions
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Conditions to avoid	Protect from moisture . Light Sensitive.
Incompatibility Materials to Avoid	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products	Not Available
Hazardous Polymerization	Will not occur
Possibility of hazardous reactions	Reacts Violently with Bromine Trifluoride and Lithium.

11. TOXICOLOGY MEASURES

Acute Toxicity

The toxicological risks are minor due to the low concentration of hazardous ingredients. The following toxicological information is for the hazardous ingredient in pure form.

LD50 Oral Oral: Acutely Toxic
SPECIES: Rat
ENDPOINT: LD50
VALUE: 3000 mg/kg
REFERENCE SOURCE:(1971), [Toxicology and Applied Pharmacology. (Academic Press, Inc., 1 E. First St., Duluth,MN 55802) V.1- 1959- (20,57,1971)] [RTECS TOMES]

LD50 Dermal Not Available

LC50 Inhalation Not Available

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product.

Irritation Irritating to the Eye: SPECIES: Rabbit
RESULT: Moderately irritating.
REFERENCE SOURCE: Solvay S.A. Bruxelles (1980), Toxicology and Applied Pharmacology, 55, p. 501 [iuclid 2000]

Corrosivity Not Available

Sensitization Not Available

Neurological Effects Not Available

Mutagenic Effects Not Available

Reproductive Effects Not Available

Developmental Effects Not Available

Target Organ Effects May be harmful by Inhalation, Ingestion, Eye Exposure or Skin Absorption

Other adverse effects Not Available

12. ECOLOGICAL MEASURES

Ecotoxicity Not Available

Persistence/Degradability Not Available

Mobility in Environmental Media Not Available

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Bioaccumulation/
Accumulation Not Available

13. DISPOSAL MEASURES

Waste Disposal Method: Observe all Federal, State and Local laws concerning health and pollution.

Contaminated Packaging: Avoid contact with skin and clothing. Place contaminated packaging in a break proof outer vessel and dispose on in compliance with national and local regulations.

US EPA Waste Number: Not Available

14. TRANSPORTATION MEASURES

DOT: Not Regulated

IATA: Not Regulated

ADR (road)/ RID (rail): Not Regulated

IMDG (sea): Not Regulated

General Transport Regulations Not Available

15. REGULATORY MEASURES

This product is a mixture that may contain one or more hazardous chemicals. The hazardous ingredients listed are only those as required by 29 CFR 1910.1200 (OSHA HCS).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains no chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (See 40 CFR 61)

Not Listed

State Regulations

California Proposition 65:

This product contains the following Proposition 65 chemicals: Not Listed

State Right to Know Act

Chemical Name Sodium Chloride

Massachusetts Not Listed

New Jersey Not Listed

Pennsylvania Not Listed

New York Not Listed

Rhode Island Not Listed

International Inventories

Chemical Name Sodium Chloride

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TSCA	Listed
DSL	Listed
NDSL	Not Listed
EINECS	Listed
CHINA	Listed
KECL	Listed
JAPAN:	Listed
AICS	Listed

EU Regulations

Annex I Index#	Not Available
Classification	EC# : 231-598-3 CAS# : 7647-14-5 Substance Name : sodium chloride Molecular Formula : C1Na Not Classified
Risk Phrases	Not Available
Safety Phrases	Not Available
Symbols and Indications of Danger	Not Available
Specific Concentration Limits	Not Available
Export and Import	This substance is not listed in the Annex I of Regulation (EC) No 689/2008.
European Priority List	This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

16. OTHER INFORMATION

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. KPL shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes. This material is sold for research purposes and is intended as laboratory reagents only. 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.

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