

Safety Data Sheet



Revision Date: 6/30/2014

SDS #: 10125

BCIP/NBT Phosphatase Substrate (1-Component)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:

BCIP/NBT Phosphatase Substrate (1-Component)

Product Code

50-81-07

SPL-BCIP

50-81-25

50-81-18

50-81-11

50-81-10

50-81-09

50-81-08

Hazardous Reagent

BCIP/NBT 1-COMPONENT

Hazardous Reagent Product code

Catalog No. listed above

Recommended Use Reagent

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.
Principle Route of Exposure	The substance can be absorbed into the body by inhalation of its vapour and by ingestion.
Acute Effects: Eye:	Redness. Pain.
Acute Effects: Skin:	Prolonged and repeated contact with product may cause skin irritation.
Acute Effects: Inhalation:	Not Applicable
Acute Effects: Ingestion:	Not Applicable
Chronic Effects:	Repeated or prolonged contact may cause skin sensitization.
Additional Information	None Available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
BCIP/NBT Phosphatase Substrate (1-Component)	1,2 Propanediol	5 %	57-55-6

GHS Classification	Not Applicable: The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Regulation (EC) No 1272/2008
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4. FIRST AID MEASURES

General Advice	Wash contaminated clothing before reuse. Consult a physician if irritation persists.
Oral Exposure	Rinse mouth.
Inhalation Exposure	Fresh air, rest.
Skin Exposure	Remove contaminated clothes. Rinse skin with plenty of water or shower.
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	Powder, alcohol-resistant foam, water spray, carbon dioxide.
Unusual Fire and Explosive Hazards	Data for 100% 1,2 Propanediol: Above 99°C explosive vapour/air mixtures may be formed.
Flash Point	Data for 100% 1,2 Propanediol: C c.c.; 107°C o.c.
Autoignition Temperature	Data for 100% 1,2 Propanediol: 371°C

Flammability Statement	Data for 100% 1,2 Propanediol: Combustible
Specific hazards arising from the chemical	Data for 100% 1,2 Propanediol: Reacts with strong oxidants, causing fire hazard.
Protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin and clothing.
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 spilled liquid with plenty of water.
Other Information	Not Applicable

7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practice.
Storage:	Store at 4°C.

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. May be harmful if inhaled in very large quantities.
Eye Protection	Safety spectacles.
Skin Protection	Protective gloves. Protective clothing.
Ingestion	Do not eat, drink, or smoke during work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear yellowish colored solution.
Physical State	Liquid
Odor	Not Applicable
Odor Threshold	Not Applicable
pH	9.0 - 9.6
Boiling Point	Data for 100% 1,2 Propanediol: 188.2°C
Evaporation Rate	Not Applicable
Vapor Density	Data for 100% 1,2 Propanediol: (air = 1): 2.6
Vapor Pressure	Data for 100% 1,2 Propanediol: Pa at 20°C: 10.6
Relative Density	Data for 100% 1,2 Propanediol: (air = 1): 2.6
Auto-Ignition Temperature	Data for 100% 1,2 Propanediol: 371°C
Water Solubility	Dilutable
Flammability	Data for 100% 1,2 Propanediol: Combustible
Flash Point	Data for 100% 1,2 Propanediol: C c.c.; 107°C o.c.

Viscosity	Not Applicable
Oxidizing Properties	Not Applicable
Explosive Properties	Data for 100% 1,2 Propanediol: vol% in air: 2.6-12.6
Additional Parameters	See Datasheet for other Product Information.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to avoid	Data for 100% 1,2 Propanediol: Above 99°C explosive vapour/air mixtures may be formed.
Incompatibility Materials to Avoid	Strong oxidizing agents and strong bases.
Hazardous Decomposition Products	Carbon Monoxide, Carbon Dioxide
Hazardous Polymerization	Will not occur
Possibility of hazardous reactions	Not Available

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	Data for 100% 1,2 Propanediol: LD50 oral rat: 20000 mg/kg Reference: Toxicology and Applied Pharmacology. Vol. 45, Pg. 362, 1978.
LD50 Dermal	Data for 100% 1,2 Propanediol: LD50 dermal rat/rabbit: 20800 mg/kg Species: Rabbit
LC50 Inhalation	Not Available
<u>Chronic Toxicity</u>	
Carcinogenicity	Not Applicable
Irritation	Data for 100% 1,2 Propanediol: The substance irritates the eyes.
Corrosivity	Not Available
Sensitization	Data for 100% 1,2 Propanediol: Repeated or prolonged contact may cause skin sensitization.
Neurological Effects	Not Available
Mutagenic Effects	Not Available
Reproductive Effects	Not Available
Developmental Effects	Not Available
Target Organ Effects	Data for 100% 1,2 Propanediol: Kidneys
Other adverse effects	Not Available

12. ECOLOGICAL MEASURES

Ecotoxicity	Not Available
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Persistence/Degradability	Not Available
Mobility in Environmental Media	Not Available
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: None Listed

State Right to Know Act

Chemical Name **1,2 Propanediol**

Massachusetts Not Listed

New Jersey Listed

Pennsylvania Listed

New York Not Listed

Rhode Island Listed

International Inventories

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Chemical Name 1,2 Propanediol

TSCA Listed

DSL Listed

NDSL Not Listed

EINECS Listed

CHINA Listed

KECL Listed

JAPAN: Listed

AICS Listed

EU Regulations

Annex I Index# Not Applicable

Classification Not Applicable:
The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per:
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Regulation (EC) No 1272/2008

Risk Phrases Not Applicable

Safety Phrases Not Applicable

Symbols and Indications of Danger Not Applicable

Specific Concentration Limits Not Applicable

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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