

MATERIAL SAFETY DATA SHEET

Version	2.0	Issue Date	14 Jul 2011
Revision Date	N/A New		
Supersedes	N/A	American National Standard	ANSI Z400.1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name p-NITROANILINE (45 µg/ml)
Brand: Endosafe
Product Codes SP100

Manufacturer Charles River
Division Endotoxin and Microbial Detection
Address 1023 Wappoo Rd
 Suite 43-B
 Charleston, SC 29407

Telephone (843) 402-4900
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SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards No OSHA hazards due to concentration limits

NFPA Rating Health = 0, Fire = 0, Instability = 0
HMS Classification Health = 0, Flammability = , Physical hazards = 0

Potential Health Effects

Eyes May cause eye irritation
Skin May be harmful if absorbed through skin, may cause skin irritation.
Inhalation May be harmful if inhaled, may cause respiratory tract irritation.
Ingestion May be harmful if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name Aqueous p-nitroaniline solution, 45 µg/ml

Component	CAS#	RTECS#	EC#	Concentration
Water	7732-18-5	ZC0110000	231-791-2	> 99.99%
p-nitroaniline	100-01-6		202-810-1	< 0.01%

SECTION 4: FIRST AID MEASURES

Eye contact	Flush eyes with plenty of water.
Skin contact	Rinse immediately with soap and plenty of water.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Inhalation	Move person into fresh air. If not breathing give artificial respiration consult a physician

SECTION 5: FIRE-FIGHTING MEASURES

Flash point	Not applicable
Ignition temperature	Not applicable
Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Additional information	This material does not burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions	Prevent product from entering drains.
Methods for cleaning	Use a wet sponge or damp cloth. Keep in suitable, closed containers for disposal

SECTION 7: HANDLING AND STORAGE

Handling	Wear personal protective equipment and avoid contact with skin and eyes. Good laboratory technique should be used in handling product.
Storage	No special storage required

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Contains no substances with occupational exposure limit values
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection	Wear appropriate protective gloves and clothes to prevent skin exposure.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Clear liquid
Odor	Odorless
pH	6 – 8 @ 25 °C
Melting/freezing point	0.0 °C
Boiling point	100°C
Flash point	Not applicable
Evaporation rate	Not available
Flammability	Not applicable
Upper/lower flammability limits	Not applicable
Vapor pressure	23.8 mm/Hg @ 25 °C
Vapor density	23 gm/m ³ @ 25 °C
Specific gravity	0.997g/cm ³ @ 25 °C
Water solubility	Soluble
Partition coefficient: n-octanol/water	Not applicable
Decomposition temperature	Not available
Viscosity	1 cPs @ 20 °C

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Materials to avoid	Strong reducing agents, acid chlorides, phosphorus trichloride, phosphorus pentachloride and phosphorus oxychloride
Conditions to avoid	Not applicable
Hazardous polymerization	Will not occur
Hazardous decomposition	Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION**Acute toxicity (LD50), Oral**

Water	> 90,000 mg/kg [Rat]
p-nitroaniline	750 mg/kg [Rat]
Chronic exposure	Not available

Irritation and corrosion	Not available
Carcinogenic effects	
IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Mutagenic effects	Not available
Reproductive toxicity	Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Not available
Persistence/degradability	Not available
Bioaccumulative potential	Not available
Mobility in soil	Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Product	Observe all federal, state, and local environmental regulations
Contaminated packaging	Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT	Not regulated hazardous material
IATA	Not regulated hazardous material
IMDG	Not regulated hazardous material

SECTION 15: REGULATORY INFORMATION

OSHA Hazards	No OSHA hazards
TSCA Status	All components of this product are on the TSCA inventory
SARA 302 Components	No components in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 311/312 Hazards	No components in this material are subject to the reporting requirements of SARA Title III, Section 311/312

SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
DSL Status	All components of this product are on the Canadian DSL list.
WHMIS Classification	Not WHMIS controlled

SECTION 16: OTHER INFORMATION

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Charles River Endosafe makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Charles River Endosafe be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

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