Labo Derva
Lochtemanweg 77 - 3550 Heusden-Zolder - België
Tel : +3211452101 - Fax :+3211452103 - info@laboderva.be

Safety Data Sheet

1. Identification of substance

Product name: SPI B

Application: Reagent for water testing

Supplier:
Labo Derva n.v.
Lochtemanweg 77
3550 Heusden-Zolder
Belgium
+32 11 452101
info@laboderva.be

Emergency telephone: +32 11 452101 (Monday – Friday 09:00 – 17:00)

2. Hazard identification

Warning

Hazard Statements:

H302 - Harmful if swallowed
H312 - Harmful in contact with skin

Precautionary Statements:

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P312 - Call a POISON CENTER or doctor/ physician if you feel unwell
P280 - Wear protective gloves/ protective clothing
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

Storage:

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations

3. Composition/information on ingredients

Chemical characterization

Description: Preparation contains anorganic and organic compounds.

Dangerous components:		
CAS: 6283-63-2 EINECS: 228-500-6	N,N-diethylbenzene-1,4-diammonium sulphate Xn, Xi; R 20/21/22-36 Danger: 1.O/3, 3.1.D/3, 3.1.I/4, 3.3/2A	> 95%

Additional information: For the wording of the listed risk phrases refer to section 16

4. First-aid measures

Ingestion Clean mouth with water and drink afterwards plenty of water.

Inhalation Move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

General information : Instantly remove any clothing soiled by the product.

After inhalation: Supply fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

After skin contact: Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, call a physician.

After eye contact: Rinse opened eye for several minutes (at least 10 min) under running water. Call a doctor immediately.

After swallowing: Seek medical treatment. Rinse out mouth and then drink plenty of water.

The following symptoms may occur:

None reasonably foreseeable.

5. Fire-fighting measures

Suitable extinguishing agents: water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

caused by the material, its products of combustion or resulting gases:

position can lead to release of irritating gases and vapors

equipment: Wear self-contained breathing apparatus.
Wear full protective suit.

6. Accidental release measures

Person-related safety precautions: Wear protective equipment.
Keep unprotected persons away.
Ensure adequate ventilation

Measures for environmental protection:

Do not allow product to reach sewage system or water bodies.

Measures for cleaning/collecting: Sweep up or vacuum up spillage and collect in suitable container for disposal. Keep in suitable, closed containers for disposal.
Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:

Information for safe handling: Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

Information about protection against explosions and fires: The product is not flammable

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight.

8. Exposure controls/personal protection

Control parameters:

Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Biological limit values This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Monitoring methods BS EN 14042:2003 Title Identifier

Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

Exposure controls:

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source Personal protective equipment

Eye Protection Goggles (European standard - EN 166) Hand Protection Protective gloves

Skin and body protection Long sleeved clothing, gloves

Glove material Nitrile rubber, Neoprene, Natural rubber, PVC

Breakthrough time See manufacturers recommendations

EU standard EN 374 (minimum requirement

Inspect gloves before use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove gloves with care avoiding skin contamination.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly

Large scale/emergency use

Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced Recommended Filter type: Particulates filter conforming to EN 143

Small scale/Laboratory use

Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended half mask:- Particle filtering: EN149:2001 When RPE is used a face piece Fit Test should be conducted

Environmental exposure controls No information available.

9. Physical and chemical properties

Form:	solid, powder
Color:	Beige
Odor:	No information available
Melting point/Melting range:	184 – 187 °C
Boiling point/Boiling range:	No information available
Flash point:	No information available
Danger of explosion:	Product is not explosive.
Density at 20°C:	Not determined
Solubility in / Miscibility with Water:	No information available
pH-value at 20°C:	2 – 2.2

10. Stability and reactivity

Reactivity : None known, based on information available

Chemical stability : Light sensitive: Moisture sensitive

Possibility of hazardous reactions

Hazardous Polymerization	No information available.
Hazardous Reactions	None under normal processing.

Conditions to avoid

Avoid dust formation. Incompatible products. Exposure to light. Exposure to moist air or water.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides

11. Toxicological information

Product Information

acute toxicity

Oral Category 4
Dermal Category 4
Inhalation No data available

LD50 Oral: 497 mg/kg (Rat)

skin corrosion/irritation: No data available

serious eye damage/irritation: No data available

respiratory or skin sensitization:

Respiratory No data available
Skin No data available

germ cell mutagenicity: No data available

carcinogenicity: No data available There are no known carcinogenic chemicals in this product

reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Target Organs None known.

aspiration hazard: Not applicable Solid

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Toxicity Ecotoxicity effects Do not empty into drains.

Persistence and degradability	No information available
Bioaccumulative potential	No information available
Component	N,N-Diethylbenzene-1,4-diammonium sulphate
log Pow	2.24
Bioconcentration factor (BCF)	No data available

Mobility in soil No information available

Results of PBT and vPvB assessment No data available for assessment.

Other adverse effects Endocrine Disruptor Information
This product does not contain any known or suspected endocrine disruptors Persistent

Organic Pollutant This product does not contain any known or suspected substance

Ozone Depletion Potential This product does not contain any known or suspected substance

13. Disposal considerations

Product:

Recommendation: Hand over to disposers of hazardous waste.

European waste catalogue:

16 05 06 laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

14. Transport information

IMDG/IMO	Not regulated
ADR	Not regulated
IATA	Not regulated

15. Regulatory information

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16. Other information

Abbreviations and acronyms:

EC50:	effective concentration, 50 percent (in vivo)
ADR:	Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Reglement internationale concernent le transport des merchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent