

MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity:	Orange Serum Broth - Ampoule		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.:	517/372-9200
	620 Leshar Place	Fax No.:	517/372-0108
	Lansing, MI 48912	e-mail:	foodsafety@neogen.com
Date Prepared or Revised:	June 2010	Chemtrec: (800) 424-9300 Outside US and Canada: (703) 527-3887	

Section 2. Composition / Information on Hazardous Ingredients			
This product is a mixture of the substance listed below with the addition of nonhazardous materials.			
Hazardous Components	CAS-No.	%	Hazard Symbol
Specific Chemical Identity:			
This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200, the Canada's Workplace Hazardous Materials Information System (WHMIS) and the European Directive 91/155/EEC, and 93/112/EC.	N/A	N/A	N/A

Section 3. Health Hazard Identification	
Health Hazards: <i>(Acute and Chronic)</i>	Information pertaining to particular dangers for man and environment. When used and handled according to specifications, the product does not have harmful effects according to the information provided to us. May cause minor irritation of the eyes and skin of sensitive individuals.

Section 4. First Aid Measures	
Emergency / First Aid Procedures:	Ingestion: If swallowed, seek medical attention. Wash out mouth with water, provided person is conscious. Never give anything by mouth to an unconscious person. Inhalation: If inhaled, supply fresh air or oxygen. Seek medical attention if breathing becomes difficult or labored. If breathing is difficult, give oxygen. Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention if irritation develops. Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation develops. Wash clothing before reuse.

Section 5. Fire and Explosion Hazard Data	
Flash Point (Method Used): N/A	Flammable Limits: LEL – N/A, UEL – N/A
Extinguishing Media: Use alcohol foam, dry chemical, or carbon dioxide. Water may be ineffective.	
Protective Equipment: Firefighters should wear protective equipment and self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.	

Section 6. Accidental Release Measures
Personal Precautions: Wear suitable protective clothing, gloves, and eye protection. Place contaminated material in a chemical waste container.
Environmental Precautions: Prevent dispersion of material. Wipe up with damp sponge or mop.
Clean-up Methods: Contact safety officer if questions arise and ventilate area.

Section 7. Handling and Storage

Handling: Protect against physical damage. Ensure good ventilation / exhaustion. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched.

Storage: Keep container tightly closed, protect from light and oxygen. Storage area should be cool, dry, and away from incompatible materials at 2- 8 °C.

Other Precautions: No special precautions known.

Section 8. Exposure Controls / Personal Protection

Components with limit values that require monitoring: N/A

OSHA-PEL: N/A

ACGIH-TLV: N/A

Additional Information: Personal Protection listed below are general requirements for laboratory personnel. Follow the usual precautionary measures for handling chemicals / powder. Avoid contact with eyes, skin, and clothing. In the event of use above flash point, use in closed systems. Do not use compressed air by filling, discharging or handling the product. Proper ventilation required. Safety shower and eye bath. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment:

Keep away from food, beverages, and feed.
Wash hands before and after entering laboratory.

Breathing Equipment: In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respiratory.

Hand Protection: Use chemical resistant gloves.

Eye Protection: Wear safety glasses.

Body Protection: Wear lab coat or other protective work clothing.

Section 9. Physical and Chemical Properties

Appearance and Odor: Clear to slightly hazy, with or without a precipitate, and light to medium amber.

Boiling Point: Not determined

Melting Point: Not determined

Density: Not determined

pH: 5.6 ± 0.2 @ 25°C

Section 10. Stability and Reactivity

Stability:	Unstable		Conditions to Avoid: Avoid excess heat. Stable under normal storage conditions and use.
	Stable	X	

Incompatibility (Materials to Avoid): Incompatible with strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon dioxide (CO₂) and Carbon monoxide (CO).

Hazardous Polymerization:	May Occur		Conditions to Avoid: Heat and incompatible materials.
	Will Not Occur	X	

Section 11. Toxicological Information

LD/LC50 values that are relevant: N/A

Carcinogenicity Classification:

IARC (International Agency for Research on Cancer) - Not Applicable

NTP (National Toxicology Program) - Not Applicable

Irritant: No irritating effects known.

Sensitization: No sensitizing effects known.

Acute / Chronic Effects: Prolonged or repeated contact may cause skin or eye irritation.

Section 12. Ecological Information

Ecotoxicity Tests: Not known to be hazardous to water. The ecological effects have not been thoroughly investigated, but currently none have been identified.

Section 13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations and European Waste catalogue, 94/3/CE and 75/442/CE.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Contact a licensed professional waste disposal service to dispose of this material if questions arise.

Container Information: Do not remove labels from containers until they have been cleaned.

Section 14. Transport Information

DOT Regulations:

Not Regulated for Transport

Land Transport ADR/RID (cross-border):

Not Regulated for Transport

Maritime Transport IMDG:

Not Regulated for Transport

Marine Pollutant: No

Air Transport ICAO-TI and IATA-DGR:

Not Regulated for Transport

Section 15. Regulatory Information

EU Regulations, Hazard Symbol(s):

Risk Phrases:

N/A

Safety Phrases:

S 24 / 25: Avoid contact with skin and eyes.

Section 16. Other Information

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.