

## MATERIAL SAFETY DATA SHEET

Date Printed: 03/26/2008

Date Updated: 01/29/2006

Version 1.5

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Section 1 - Product and Company Information

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Product Name	DNP-L-SERINE
Product Number	D1755
Brand	SIGMA
Company	Sigma-Aldrich
Address	3050 Spruce Street SAINT LOUIS MO 63103 US
Technical Phone:	800-325-5832
Fax:	800-325-5052
Emergency Phone:	314-776-6555

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Section 2 - Composition/Information on Ingredient

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Substance Name	CAS #	SARA 313
L-SERINE, N-(2,4-DINITROPHENYL)-	1655-64-7	No
Formula	C9H9N3O7	
Synonyms	N-(2,4-Dinitrophenyl)-L-serine * DNP-L-serine	

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Section 3 - Hazards Identification

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## HMIS RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

## NFPA RATING

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

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Section 4 - First Aid Measures

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Section 5 - Fire Fighting Measures

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## FLASH POINT

N/A

## AUTOIGNITION TEMP

N/A

## FLAMMABILITY

N/A

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Section 6 - Accidental Release Measures

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## Section 7 - Handling and Storage

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### STORAGE

Store at -20°C

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## Section 8 - Exposure Controls / PPE

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## Section 9 - Physical/Chemical Properties

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Molecular Weight	271.2 AMU
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

N/A = not available

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## Section 10 - Stability and Reactivity

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## Section 11 - Toxicological Information

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## Section 12 - Ecological Information

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No data available.

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## Section 13 - Disposal Considerations

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## Section 14 - Transport Information

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### DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

### IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

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## Section 15 - Regulatory Information

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UNITED STATES REGULATORY INFORMATION  
SARA LISTED: No

### CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

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## Section 16 - Other Information

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### DISCLAIMER

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### WARRANTY

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