

SAFETY DATA SHEET

United States

Section 1. Identification

Product name

**Fetal Bovine Serum
Standard Quality
Origin: Canada**

Catalogue Number

A15-701



Other means of identification

Not available.

Product type

Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Not available.

Supplier

HyClone Laboratories, Inc
925 West 1800 South
Logan, Utah 84321
Phone: (435) 792-8000

eMail: msdslifesciences@ge.com

GE Healthcare
Bio-Sciences Austria GmbH.
Kremslstr. 5
4060 Pasching
AUSTRIA
Phone: +43 7229 64865
Fax: +43 7229 64866
eMail: msdslifesciences@ge.com

In case of emergency

**INFOTRAC - 24 Hour number: 1-800-535-5053
Outside of the United States, call 24 Hour number: 001-352-323-3500 (Call Collect)**

Section 2. Hazards identification

OSHA/HCS status

Classification of the substance or
mixture

GHS label elements

Signal word

Hazard statements

Precautionary statements

Prevention

Response

Storage

Disposal

Supplemental label elements

Hazards not otherwise classified

Section 3. Composition/information on ingredients

Substance/mixture

Substance

Other means of identification

Not available.

CAS number/other identifiers

CAS number

N/A

Product code

A15-701

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.



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Version 1

Section 4. First aid measures

Description of necessary first aid measures

Eye contact
Inhalation
Skin contact
Ingestion

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact
Inhalation
Skin contact
Ingestion

Over-exposure signs/symptoms

Eye contact
Inhalation
Skin contact
Ingestion

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
Specific treatments

Protection of first-aiders

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Unsuitable extinguishing media

Specific hazards arising from the chemical

Hazardous thermal decomposition products

Special protective actions for fire-fighters

Special protective equipment for fire-fighters

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
For emergency responders

Environmental precautions

Methods and materials for containment and cleaning up

Small spill
Large spill

Section 7. Handling and storage

Precautions for safe handling

Protective measures
Advice on general occupational hygiene

Conditions for safe storage, including any incompatibilities



Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls

Environmental exposure controls

Individual protection measures

Hygiene measures

Eye/face protection

Skin protection

Hand protection

Body protection

Other skin protection

Respiratory protection

Section 9. Physical and chemical properties

Appearance

Physical state	Liquid.
Color	Amber.
Odor	Not available.
Odor threshold	Not available.
pH	6.8 to 8.2
Melting point	Not available.
Boiling point	Not available.
Flash point	[Product does not sustain combustion.]
Burning time	Not applicable.
Burning rate	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower and upper explosive (flammable) limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility	Not available.
Solubility in water	Not available.
Partition coefficient: n-octanol/ water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
SADT	Not available.
Viscosity	Not available.

Section 10. Stability and reactivity

Reactivity

Chemical stability

Possibility of hazardous reactions

Conditions to avoid

Incompatible materials

Hazardous decomposition products



Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact

Inhalation

Skin contact

Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

Inhalation

Skin contact

Ingestion

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Long term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Potential chronic health effects

Not available.

General

Carcinogenicity

Mutagenicity

Teratogenicity

Developmental effects

Fertility effects

Numerical measures of toxicity

Acute toxicity estimates



Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) Not available.

Other adverse effects

Section 13. Disposal considerations

Disposal methods

Section 14. Transport information

Product is not regulated as dangerous goods for transport.

Section 15. Regulatory information

U.S. Federal regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): Not determined.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	Not listed
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor Chemicals)	Not listed
DEA List II Chemicals (Essential Chemicals)	Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ Not applicable.

SARA 311/312

Classification

Composition/information on ingredients

No products were found.

State regulations

Massachusetts	This material is not listed.
New York	This material is not listed.
New Jersey	This material is not listed.
Pennsylvania	This material is not listed.

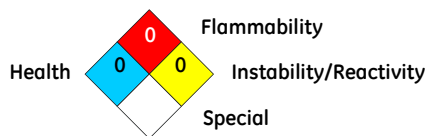
International regulations

Canada inventory	Not determined.
International lists	Australia inventory (AICS): Not determined. China inventory (IECSC): Not determined. Japan inventory: Not determined. Korea inventory: Not determined. Malaysia Inventory (EHS Register): Not determined. New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): Not determined. Taiwan inventory (CSNN): Not determined.
Chemical Weapons Convention List Schedule I Chemicals	Not listed
Chemical Weapons Convention List Schedule II Chemicals	Not listed
Chemical Weapons Convention List Schedule III Chemicals	Not listed



Section 16. Other information

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of printing	8/18/2015.
Date of issue/Date of revision	8/18/2015.
Date of previous issue	No previous validation.
Version	1
Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	Not available.

■ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

