



Safety Data Sheet

Section 1 – Product and Company Information

Product Name: ActeroTM FDL Peptone Broth – Dehydrated Culture Media

Catalog Number: FCM-246 ActeroTM Fluorocult DEV Lactose Peptone Broth (500 G)
FCM-247 ActeroTM Fluorocult DEV Lactose Peptone Broth (2 KG)

Manufacturer: FoodChek Systems Inc.

Address: 1414 – 8th Street SW, Suite 450
Calgary, Alberta T2R 1J6, Canada

Phone: (403) 263-6357
(877) 298-0208

Section 2 – Hazards Identification

The classification was made according to the latest editions of international substances list, and expanded upon from company literature data.

CLP Regulation (EC) n°1272/2008:

Classification of the Substance or Mixture: The product is not classified as dangerous according to CLP Regulation (EC) n°1272/2008.

Hazard Statements: Non-applicable.

Precautionary Statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment.

Other Hazards: Product fails to meet PBT/vPvB criteria.

Section 3 – Composition / Information on Ingredients

Substance: Non-applicable.

Chemical Components Description: None of the substances contained in the mixture are above the values fixed in Annex II of Regulation (EC) n°1907/2006.

Section 4 – First Aid Measures

Description of First Aid Measures:	Consult a doctor in case of discomfort with the Safety Data Sheet of this product.
Inhalation:	If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Consult a physician.
Skin Contact:	In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters, etc.), seek medical advice with this Safety Data Sheet. Consult a physician.
Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes or until the product has been eliminated. In case of problems, consult a physician with the Safety Data Sheet of this product.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media:	Product is non-flammable, low risk of fire by the inflammability characteristics of the product in normal conditions of storage, manipulation and use. In the case of the existence of sustained combustion as a result of improper manipulation, storage or use, any type of extinguishing agent can be used such as water spray, carbon dioxide, dry chemical powder or alcohol resistant foam.
Special Hazards Arising from the Substance or Mixture:	Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.
Advice for Firefighters:	Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit, etc.) in accordance with Directive 89/654/EC.
Protective Equipment:	Wear protective clothing and self-contained breathing apparatus for firefighting if necessary.
Additional Provisions:	Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.



Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal. Use personal protective equipment. Avoid dust formation or breathing vapor's, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental Precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

Methods and Material for Containment and Cleaning Up:

Pick up and arrange disposal without crating dust. Wipe up with a damp sponge and transfer to suitable closed containers for disposal.

Reference to Other Sections:

See Sections 8 and 13.

Section 7 – Handling and Storage

Precautions for Safe Handling:

Precautions for safe manipulation: Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used. Avoid contact with skin or eyes. Avoid formation of dust or aerosols. Provide appropriate exhaust ventilation at locations where dust is formed.

Technical recommendations for the prevention of fires and explosions: Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

Technical recommendations to prevent ergonomic and toxicological risks: Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks: It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

Conditions for Safe Storage, Including any Incompatibilities:

Technical measures for storage:

Minimum Temp.: 2° C

Maximum Temp.: 25° C

Maximum Time: 48 Months

General conditions for storage: Keep container tightly closed in a cool dry place in accordance with specified storage conditions. Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

Specific end use: Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.



Section 8 – Exposure Controls and Personal Protection Equipment

Control Parameters:	Substances whose occupational exposure limits have to be monitored in the work environment. Nuisance dust: Inhalable dust 10 mg/m ³ // Respirable dust 4 mg/m ³ .
Exposure Controls:	<p><u>General security and hygiene measures in the work place:</u> As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection, etc.) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labor risk prevention services as it is not known whether the company has additional measures at its disposal.</p> <p><u>Respiratory protection:</u> The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded. For nuisance exposures, use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p><u>Hand protection – CE Cat I labeling:</u> Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420 and EN 374.</p> <p><u>Eye protection – CE Cat II labeling:</u> Safety glasses with side-shields conforming to EN166. Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US), EN 166:2001(EU) or EN ISO 4007:2012.</p> <p><u>Skin and body protection:</u> Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p> <p><u>Work clothing – CE Cat I labeling:</u> Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2001, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.</p> <p><u>Hygiene measures:</u> Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.</p>



Section 8 – Exposure Controls and Personal Protection Equipment (continued)

Anti-slip work shoes – CE Cat II labeling: Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345 y EN 13832-1. CEN Standard EN ISO 20347:2012.

Environmental exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container.

Section 9 – Physical and Chemical Properties

For complete information, see the product datasheet.

Appearance:

Physical State at 20° C:	Solid
Appearance:	Characteristic
Color:	Beige
Odor:	Characteristic
Odor Threshold:	Non-applicable*

Volatility:

Boiling Point at Atmospheric Pressure:	Non-applicable*
Vapor Pressure at 20° C:	Non-applicable*
Vapor Pressure at 50° C:	<300000 Pa (300 kPa)
Evaporation Rate at 20° C:	Non-applicable*

Product Description:

Density at 20° C:	Non-applicable*
Relative Density at 20° C:	Non-applicable*
Dynamic Viscosity at 20° C:	Non-applicable*
Kinematic Viscosity at 20° C:	Non-applicable*
Kinematic Viscosity at 40° C:	Non-applicable*
Concentration:	Non-applicable*
pH:	7 – 7,4
Vapor Density at 20° C:	Non-applicable*
Partition Coefficient N-octanol/water 20° C:	Non-applicable*
Solubility in Water at 20° C:	Non-applicable*
Solubility Properties:	Non-applicable*
Decomposition Temperature:	Non-applicable*
Melting Point/Freezing Point:	Non-applicable*
Explosive Properties:	Non-applicable*
Oxidising Properties:	Non-applicable*

Flammability:

Flash Point:	Non-applicable*
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Section 9 – Physical and Chemical Properties (continued)

Flammability (solid, gas):	Non-applicable*
Autoignition Temperature:	Non-applicable*
Lower Flammability Limit:	Non-applicable*
Upper Flammability Limit:	Non-applicable*
Explosive:	
Lower Explosive Limit:	Non-applicable*
Upper Explosive Limit:	Non-applicable*
Other Information:	
Surface Tension at 20° C:	Non-applicable*
Refraction Index:	Non-applicable*

*Not relevant due to the nature of the product, not providing information property of its hazards.

Section 10 – Stability and Reactivity

Reactivity:	No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.
Chemical Stability:	Chemically stable under the conditions of storage, handling and use.
Possibility of Hazardous Reactions:	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
Conditions to Avoid:	Applicable for handling and storage at room temperature. Shock and friction: Not applicable Contact with air: Not applicable Increase in temperature: Not applicable Sunlight: Not applicable Humidity: Not applicable
Incompatible Materials:	Acids: Avoid strong acids Water: Not applicable Combustive materials: Not applicable Combustible materials: Not applicable Others: Avoid alkalis or strong bases
Hazardous Decomposition Products:	See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO ₂), carbon monoxide and other organic compounds.



Section 11 – Toxicological Information

**Information on
Toxicological Effects:**

LD50 oral > 2000 mg/kg (rat)

**Dangerous Health
Implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

Ingestion (acute effect):

Acute toxicity: Based on available data, the classification criteria are not met.

Corrosivity/Irritability: Based on available data, the classification criteria are not met.

Inhalation (acute effect):

Acute toxicity: Based on available data, the classification criteria are not met.

Corrosivity/Irritability: Based on available data, the classification criteria are not met.

Contact with the skin and the eyes (acute effect):

Contact with the skin: Based on available data, the classification criteria are not met.

Contact with the eyes: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Carcinogenicity: Based on available data, the classification criteria are not met.

Mutagenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Sensitizing effects:

Respiratory: Based on available data, the classification criteria are not met.

Cutaneous: Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT)-repeated exposure:

Based on available data, the classification criteria are not met.

Skin: Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met

Other Information:

Non-applicable.

**Specific Toxicology
Information on the
Substances:**

Not available.



Section 12 – Ecological Information

Toxicity:	Not available.
Persistence and Degradability:	Not available.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Results of PBT and vPvB Assessment:	Product fails to meet PBT/vPvB criteria.
Other Adverse Effects:	Not described.

Section 13 – Disposal Considerations

Waste Treatment Methods:

Code Description: It is not possible to assign a specific code, as it depends on the intended use by the user.

Waste Class (Regulation (EU) No 1357/2014): Non dangerous.

Type of Waste (Regulation (EU) No 1357/2014): Non-applicable.

Waste Management (disposal and evaluation): Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See Section 6 – Environmental Precautions.

Regulations Related to Waste Management: In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated. Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014.

Section 14 – Transport Information

Transport of Dangerous Goods by Land: With regard to ADR 2017 and RID 2017.

UN Number: Non-applicable.

UN Proper Shipping Name: Non-applicable.

Transport Hazard Class(es): Non-applicable.

Labels: Non-applicable.

Packing Group: Non-applicable.

Environmental Hazards: No.



Section 14 – Transport Information (continued)

Special Precautions for User:

Special Regulations: Non-applicable.

Tunnel Restriction Code: Non-applicable.

Physico-Chemical Properties: See Section 9.

Limited Quantities: Non-applicable.

Transport In Bulk According to Annex II or Marpol and the IBC Code: Non-applicable.

Transport of Dangerous Goods by Sea: With regard to IMDG 38-16.

UN Number: Non-applicable.

UN Proper Shipping Name: Non-applicable.

Transport Hazard Class(es): Non-applicable.

Labels: Non-applicable.

Packing Group: Non-applicable.

Environmental Hazards: No.

Special Precautions for User:

Special Regulations: Non-applicable.

EmS Codes:

Physico-Chemical Properties: See Section 9.

Limited Quantities: Non-applicable.

Transport In Bulk According to Annex II or Marpol and the IBC Code: Non-applicable.

Transport of Dangerous Goods by Air: With regard to IATA/ICAO 2017.

UN Number: Non-applicable.

UN Proper Shipping Name: Non-applicable.

Transport Hazard Class(es): Non-applicable.

Labels: Non-applicable.

Packing Group: Non-applicable.

Environmental Hazards: No.

Special Precautions for User:

Physico-Chemical Properties: See Section 9.

Transport In Bulk According to Annex II or Marpol and the IBC Code: Non-applicable.



Section 15 – Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable.

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable.

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable.

Article 95, REGULATION (EU) No 528/2012: Non-applicable.

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable.

Limitations to Commercialization and the Use of Certain Dangerous Substances and Mixtures (Annex XVII REACH, etc.):

Not applicable.

Specific Provisions in Terms of Protecting People or the Environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other Legislation:

The product could be affected by sectorial legislation.

Chemical Safety Assessment:

The supplier has not carried out evaluation of chemical safety.

Section 16 – Other Information

Legislation Related to Safety Data Sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 2015/830).

Modifications Related to the Previous Safety Data Sheet Which Concerns the Ways of Managing Risks:

Non-applicable.

Texts of the Legislative Phrases Mentioned in Section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components that appear in Section 3.

CLP Regulation (EC) n° 1272/2008:

Non-applicable.

Classification Procedure:

Non-applicable.

Advice Related to Training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.



Section 16 – Other Information (continued)

Principal Bibliographical Sources:	http://echa.europa.eu http://eur-lex.europa.eu
Abbreviations and Acronyms:	ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 Log-POW: Octanol–water partition coefficient Koc: Partition coefficient of organic carbon

