



Material Safety Data Sheet

LB Agar, Miller

MSDS# 91978

Section 1 - Chemical Product and Company Identification

MSDS Name: LB Agar, Miller
Catalog Numbers: 61189-5000
Synonyms: None Known.
Company Identification: Acros Organics BVBA
Janssen Pharmaceutica laan 3a
2440 Geel, Belgium
Company Identification: (USA) Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

Risk Phrases:

CAS#: Not available
Chemical Name: Tryptone
%: 1.0
EINECS#: unlisted
Hazard Symbols:

Risk Phrases:

CAS#: 7647-14-5
Chemical Name: Sodium Chloride
%: 1.0
EINECS#: 231-598-3
Hazard Symbols:

Risk Phrases:

CAS#: 7732-18-5
Chemical Name: Water
%: 95.5-96.5
EINECS#: 231-791-2
Hazard Symbols:

Risk Phrases:

CAS#: 8013-01-2
Chemical Name: Yeast, ext.
%: 0.5
EINECS#: 232-387-9
Hazard Symbols:

Risk Phrases:

CAS#: 9002-18-0
Chemical Name: Agar
%: 1.0-2.0
EINECS#: 232-658-1
Hazard Symbols:

Text for R-phrases: see Section 16

Hazard Symbols: None listed

Risk Phrases: None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! Expected to be non-hazardous. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Target Organs: None.

Potential Health Effects

Eye: Dust may cause mechanical irritation.
Skin: Non-irritating to the skin.
Ingestion: May cause irritation of the digestive tract. Low hazard for usual industrial handling.
Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.
Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Gently lift eyelids and flush continuously with water. If irritation develops, get medical aid.
Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.
Ingestion: Wash mouth out with water. Get medical aid if irritation or symptoms occur.
Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.
Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Autoignition Temperature: Not available

Flash Point: Not available

Explosion Limits: Not available
Lower:
Upper:

Explosion Limits: Not available
Upper:

NFPA Rating: health: 1; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Wash thoroughly after handling. Wash thoroughly after handling. Minimize dust generation and accumulation.

Handling: Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Tryptone	none listed	none listed	none listed
Sodium Chloride	none listed	none listed	none listed
Water	none listed	none listed	none listed
Yeast, ext.	none listed	none listed	none listed
Agar	none listed	none listed	none listed

OSHA Vacated PELs: Tryptone: None listed Sodium Chloride: None listed Water: None listed Yeast, ext.: None listed Agar: None listed

Engineering Controls:

There are no special ventilation requirements. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Protective garments not normally required.

Clothing: Protective garments not normally required.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Color: off-white

Odor: Not available

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: Not available

Decomposition Temperature: Not available

Solubility in water: Not available

Specific Gravity/Density:

Molecular Formula: Mixture

Molecular Weight: 0

Section 10 - Stability and Reactivity

Chemical Stability:	Stable.
Conditions to Avoid:	Incompatible materials, dust generation, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 7647-14-5: VZ4725000
	CAS# 7732-18-5: ZC0110000
	CAS# 8013-01-2: ZF6610000
	CAS# 9002-18-0: AW7950000
LD50/LC50:	RTECS: Not available. RTECS:
	CAS# 7647-14-5: Draize test, rabbit, eye: 100 mg Mild;
	Draize test, rabbit, eye: 100 mg/24H Moderate;
	Draize test, rabbit, eye: 10 mg Moderate;
	Draize test, rabbit, skin: 50 mg/24H Mild;
	Draize test, rabbit, skin: 500 mg/24H Mild;
	Inhalation, rat: LC50 = >42 gm/m ³ /1H;
	Oral, mouse: LD50 = 4 gm/kg;
	Oral, rat: LD50 = 3000 mg/kg;
	Skin, rabbit: LD50 = >10 gm/kg;
Carcinogenicity:	.
	RTECS:
	CAS# 7732-18-5: Oral, rat: LD50 = >90 mL/kg;
	.
	RTECS:
	CAS# 8013-01-2: .
	RTECS:
	CAS# 9002-18-0: Oral, mouse: LD50 = 16 gm/kg;
	Oral, rabbit: LD50 = 5800 mg/kg;
	Oral, rat: LD50 = 11 gm/kg;
Other:	.
	Tryptone - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
	Sodium Chloride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
	Water - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
	Yeast, ext. - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
	Agar - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7647-14-5: 0

CAS# 7732-18-5: Not available

CAS# 8013-01-2: 0

CAS# 9002-18-0: 0

Canada

CAS# 7647-14-5 is listed on Canada's DSL List

CAS# 7732-18-5 is listed on Canada's DSL List

CAS# 8013-01-2 is listed on Canada's DSL List

CAS# 9002-18-0 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 0-01-1 is not listed on Canada's Ingredient Disclosure List.

CAS# 7647-14-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 8013-01-2 is not listed on Canada's Ingredient Disclosure List.

CAS# 9002-18-0 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 0-01-1 is not listed on the TSCA Inventory. It is for research and development use only.

CAS# 7647-14-5 is listed on the TSCA Inventory.

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 8013-01-2 is listed on the TSCA Inventory.

CAS# 9002-18-0 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 10/31/2001

Revision #5 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
