



Flinn Scientific Canada Inc.  
175 Longwood Road South  
Hamilton, Ontario L8P 0A1 Canada  
1-844-200-1455

PRODUCT: Nutrient Agar

CODE: NJ0020

## Section 01: IDENTIFICATION

MANUFACTURER..... Flinn Scientific Inc.  
PO Box 219  
Batavia, Illinois 60510 USA  
Tel: 1-800-452-1261

PRODUCT NAME..... Nutrient Agar

PRODUCT CODE(S)..... NJ0020

PRODUCT USE..... This product is intended for use in a laboratory. The use of this product is restricted for use in a laboratory only.

EMERGENCY NUMBER..... CHEMTREC Emergency Phone Number: 703-527-3887 .

## Section 02: HAZARD IDENTIFICATION

SIGNAL WORD..... Does not meet any hazards classification.

HAZARD CLASSIFICATION..... This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution. Product should be treated as a chemical and is not for consumption as it has been stored with other nonfoodgrade chemicals. This substance may support the growth of pathogenic microorganisms. Practice proper aseptic technique when culturing. Cultures should be sterilized prior to disposal.

STORAGE..... Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous.

DISPOSAL..... Dispose of contents/container in accordance with local regulations.

## Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Agar, bacteriological grade	9002-18-0	65
Beef extract powder	None established	13
Peptone (source: bovine)	91079-38-8	22

## Section 04: FIRST AID MEASURES

MEDICAL ATTENTION AND SPECIAL TREATMENT ..... Call a POISON CENTER or physician if you feel unwell.

INHALATION..... Remove victim to fresh air and keep at rest in a position comfortable for breathing.

INGESTION..... Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SKIN CONTACT..... Wash with plenty of water.

EYE CONTACT..... Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

## Section 05: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA..... Use a tri-class dry chemical fire extinguisher .

HAZARDOUS COMBUSTION PRODUCTS..... When heated to decomposition, may emit toxic fumes.

SPECIAL FIRE FIGHTING PROCEDURES..... Nonflammable solid.

NFPA CODE..... None established.

## Section 06: ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES ..... Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP ..... Clean up spill, autoclave or sterilize if already used for cultures. Dispose in the trash. See Sections 8 and 13 for further information.

## Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES..... Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous. Moisture sensitive.

STORAGE NEEDS..... Store in a cool, dry place within a Flinn Chem-Saf™ bag.

## Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PRODUCT: Nutrient Agar

CODE: NJ0020

## Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Agar, bacteriological grade	Not established	Not established	Not established	Not established	Not established
Beef extract powder	Not established	Not established	Not established	Not established	Not established
Peptone (source: bovine)	Not established	Not established	Not established	Not established	Not established
PROTECTIVE EQUIPMENT.....	Wear protective gloves, protective clothing, and eye protection. Use sterile technique when working with culture media.				
EYE/TYPE.....	Safety goggles.				
RESPIRATORY/TYPE.....	Respiratory device if needed.				
GLOVES/ TYPE.....	Protective gloves.				
CLOTHING/TYPE.....	Protective clothing.				
FOOTWEAR/TYPE.....	Protective footwear.				
BODY/TYPE.....	General personal protective equipment.				

## Section 09: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE.....	Pale, buff-coloured powder.
ODOUR.....	Strong, putrid odour.
ODOUR THRESHOLD.....	Not available.
pH.....	Not applicable.
BIOLOGICAL USE.....	Non-selective bacterial media. To prepare culture media: Mix 23 grams per litre of water. Sterilize before use.
SPECIFIC GRAVITY.....	Not available.
MELTING POINT (°C).....	Not available.
BOILING POINT (°C).....	Not available.
EVAPORATION RATE.....	Not available.
FLASH POINT (°C), METHOD.....	Not available.
UPPER FLAMMABLE LIMIT (% VOL).....	Not available.
LOWER FLAMMABLE LIMIT (% VOL).....	Not available.
AUTO IGNITION TEMPERATURE (°C).....	Not available.
VAPOUR PRESSURE (mm Hg).....	Not available.
VAPOUR DENSITY (AIR=1).....	Not available.
SOLUBILITY.....	Forms a gel with boiling water.
DECOMPOSITION TEMPERATURE.....	Not available.
VISCOSITY.....	Not available.

## Section 10: STABILITY AND REACTIVITY

STABILITY.....	Shelf life: Good, if stored properly. Stable nonhazardous substance. See Section 7 for further information.
POSSIBILITY OF HAZARDOUS REACTIONS.....	None if stored properly.
CONDITIONS TO AVOID.....	Moisture sensitive.
INCOMPATIBLE MATERIALS.....	Avoid contact with strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS.....	When heated to decomposition, may emit toxic fumes.

## Section 11: TOXICOLOGICAL INFORMATION

Ingredients	LC50	LD50
Agar, bacteriological grade	Not available	11 g/kg oral rat
Beef extract powder	Not available	Not available
Peptone (source: bovine)	Not available	Not available
ROUTE OF ENTRY:.....	Skin contact, eye contact, possible inhalation.	
ACUTE EFFECTS.....	Not available, not all health aspects of this substance have been fully investigated.	
CHRONIC EFFECTS.....	Not available, not all health aspects of this substance have been fully investigated.	
TARGET ORGANS.....	Not available, not all health effects of this substance have been fully investigated.	

## Section 12: ECOLOGICAL INFORMATION

ECOTOXICITY.....	Data not yet available.
------------------	-------------------------

PRODUCT: Nutrient Agar

CODE: NJ0020

**Section 13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS..... Please review all Federal, Provincial and Local Regulations that may apply before proceeding.

**Section 14: TRANSPORT INFORMATION**

SHIPPING NAME..... Not regulated.  
PROOF OF CLASSIFICATION..... This product has been classified in accordance with Part 2 of the Transportation of Dangerous Goods Regulations.

**Section 15: REGULATORY INFORMATION**

CEPA STATUS..... CAS # 91079-38-8 does not appear on Canada's Domestic Substances List.

**Section 16: OTHER INFORMATION**

PREPARED BY: ..... Flinn Scientific Inc.  
DISCLAIMER:..... This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).  
DATE OF LATEST REVISION..... Apr25/15