



1. Identification of a product and manufacturer

Product name: Sterilized liquid broth Pro • media XM-31

Manufacturer: Elmex Shanghai, Ltd.

Supplier (in JAPAN): Elmex, Ltd.

2-1, Ichigayasadohara-cho, Shinjuku-ku, Tokyo, 162-0842, Japan

Tel : 081-3-5229-7911

Emergencies Call: 081-3-5229-7911

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Content (17.08g/1.00L Of purified water)
Peptone	10.0g
Sodium chloride	10.0g
Potassium dihydrogenphosphate	4.0g
Dipotassium hydrogenphosphate	5.4g
Sodium lauryl sulfate	0.2g
Tryptophan	2.0g
Sorbitol	2.0g
X-GAL • MUG enzyme substrate mixture	0.56g

3. HAZARDS IDENTIFICATION

The most important dangerous harmfulness

Baiffulness: Sodium lauryl sulfate is used as a cleaner raw materials of tooth powder widely, but it may trigger inflammation of eyes, falling-out hair, severe dandruff, an allergic reaction. In addition, It is mutagenesis, and brings about the possibility of changing gene information of cells. When X-GAL, MUG inhale it swallowed it, I am harmful. There is a stimulation when it touches eyes, skin, a mucous membrane.

Environmental impact: No data

Danger of physics and chemistry: No data

4. First aid measures

After swallowing: Wash with water inside of a mouth. If symptoms express, consult a doctor.

After skin contact: Immediately wash with water and soap and rinse thoroughly.



After eye contact: Rinse opened eye for several minutes under water. If symptoms express, consult a doctor.

5. Fire fighting measures

Extinguishing agent: This product is nonflammability. Use the suitable extinguishing agent for the circumference fire.

Specific hazardous substances: There is particularly no it

Specific extinguish measures: This product is nonflammability. The fire is put out by using a suitable extinguishing agent. Move a removable container to a safe place immediately. In case of impossible moving, it cools off with a water mist to circumference. Perform extinguishing works as much as possible from the windward.

Protection of those who extinguish the fire: In the case of extinguishing work, wear a protection equipments as much as possible, and perform it from the windward

6. Accidental release measures

Instructions for human body protection: In case of accidental release measures, wear a rubber glove, protection glasses, protection clothes, etc.

Instructions for environmental protection: Take care that the leaked product is not drained in rivers and do not cause influence to environments careful.

A removal method: When it is leaked, wipe it off with a dustcloth.

7. Handling and storage

Handling

Technical measures: Avoid contacting high temperature objects and highly acidic substances.

Caution on safe handling: Do not upset, make it fall, shock, or drag a container. After use wash a hand, a face, well and gargle. Don't eat, drink, and smoke any place other than an appointed place. Don't bring in a tool for protection that others polluted gloves at space for relaxation.

Information for safe handling: Wear a suitable protection equipment so that an eye,



the skin, and clothing may not be touched.

Storage

Information about suitable storage: Avoid direct rays, seal and keep at the room temperature.

8. Exposure preventations and protection measures

Measures against equipment: Install equipment for the handwashing and eyewashing near the handling place, and display the position of equipment clearly.

Management concentration: Not set up

Permission concentration

Japan Society for Occupational Health: Not set up

Protection equipment

Respiratory protection: Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed regulatory guidelines.

Hand protection: Chemical resistant gloves.

Eye protection: Safety glasses (goggles)

Skin protection: Protective clothing

CONTROL PARAMETER: (1)-(3): OSHA Final Limits : None established

ACGIH TLV(s): None established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Yellow liquid

ODOR: Sweet odor

pH: 6.8±0.2

BOILING POINT: Not available

MELTING POINT: Not available

FLASH POINT: Not available

FLAMMABILITY (solid, gas): -----

DECOMPOSITION TEMPERATURE: Not available

EXPLOSIVE LIMITS: Not available

VAPOR PRESSURE: Not available

SPECIFIC GRAVITY: Approx. 1007 (at 20/4 - C= 68/39.2 - F)

SOLUBILITY IN:

WATER: Miscible

ETHANOL: Miscible



log Po/w: Not available

10. STABILITY AND REACTIVITY

CONDITION TO AVOID: Sunlight, heat

INCOMPATIBILITY (MATERIAL TO AVOID): Water-reactive materials (Alkali metals etc.)

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, phosphor oxides and chloride compounds may be formed.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: Not available as the mixture

IRRITATION DATA: Not available as the mixture

MUTATION DATA : Not available as the mixture

REPRODUCTIVE EFFECTS DATA: Not available as the mixture

TUMORIGENIC DATA: Not available as the mixture and components

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: Not available

BIOACCUMULATION POTENTIAL: Not available

AQUATIC TOXICITY: Not available

FISH TOXICITY: Not available

13. DISPOSAL CONSIDERATION

After use, This production must be sterilized. And any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules).

14. TRANSPORT INFORMATION

IATA: Not Restricted.

DOT (Department of Transportation): Not a Hazardous Material for DOT shipping.

Specific safety measures and conditions of the transportation.

Check leaky containers and load it with not wiping out, dropping, blighting. Surely prevent collapse of cargo.



15. REGULATORY INFORMATION

US REGULATIONS

(1); Mass. Subst. List , New Jers. RTK Haz. Subst. List , Penn. Haz. Subst. List ,
CWA/311

Haz., CERCLA Haz. Subst., DOT Haz. Sub. and Rep. Quant.

EPA: CERCLA RQ= 5000 lb

EPCRA TPQ= Not listed

FIFRA 1998 STATUS OF PESTICIDES: Cancelled

OSHA: TQ= Not listed

(2);

EPA: CERCLA RQ= Not listed

EPCRA TPQ= Not listed

FIFRA 1998 STATUS OF PESTICIDES: RED Completed

OSHA: TQ= Not listed

(3);

EPA: CERCLA RQ= Not listed

EPCRA TPQ= Not listed

OSHA: TQ= Not listed

EU REGULATIONS:

SYMBOL: -----

R-phrases: -----

S-phrases: -----

EC index No.: (1)-(3); Not listed

16. OTHER INFORMATION

No specific notes

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and risk and Elmex shall not be held liable for any damage resulting from handling or from contact with the above material.