1. IDENTIFICATION
Product Identifier
Salinomycin Sodium
Product Number
S002
Distributor Name
TOKU-E Company
Distributor Address
715 W Orchard Dr, Suite 3
Bellingham, WA 98225
Phone Number
(360) 734-1789
Emergency Phone Number (US only)
1 (800) 535-5053
Emergency Phone Number (International)
+1 (352) 323-3500
Safety Data Sheet Issued by
TOKU-E USA
CAS-Number
[55721-31-8]
EC/REACH List Number
[611-309-0]
Recommended Use
Coccidiostat ionophore antibiotic which decreases control of ion permeability
Restrictions on Use
Not for human or animal use

2. HAZARD(S) IDENTIFICATION
GHS Classification
Acute toxicity, Oral (Category 3)
GHS Label Elements, Including Precautionary statements
Signal word: Danger
Hazard Statements
H301: Toxic if swallowed
Precautionary Statements
P264: Wash skin thoroughly after handling
P270: Do not eat, drink, or smoke when using this product
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P321: Specific treatment (see first aid instructions)
P330: Rinse mouth
P405: Store locked up
P501: Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC) by GHS
None
3. COMPOSITION/INFORMATION ON INGREDIENTS
Synonym(s) None
Formula \( \text{C}_{42}\text{H}_{69}\text{NaO}_{11} \)
Molecular Weight 772.98 g/mol (Anhydrous basis)
CAS-No. [55721-31-8]
EC List No. [611-309-0]
Index-No. Not available
Hazardous components Component: Salinomycin Sodium
Classification: Acute Toxicity, 3 H301

4. FIRST-AID MEASURES
General Advice Consult a physician. Show this Safety Data Sheet to the medical provider
If Inhaled If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a doctor
In Case of Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, consult a doctor
If Swallowed Never give anything by mouth to an unconscious person. Consult a doctor. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed
Indication of any immediate medical attention and special treatment needed No data available

5. FIRE-FIGHTING MEASURES
Suitable Extinguishing Media Water spray, alcohol-resistant foam, dry chemical, carbon dioxide
Special Protective Equipment for Firefighters Wear self-contained breathing apparatus
Hazardous Combustion Products Formed under fire conditions: Carbon and Nitrogen oxides

6. ACCIDENTAL RELEASE MEASURES
General Evacuate personnel to safe location
Personal Precautions Wear respiratory protection. Avoid dust formation and breathing vapors/mist/dust/gas. Ensure adequate ventilation
Environmental Precautions Prevent spillage, do not let product enter drains
Methods of Containment and Cleanup Place in suitable, closed containers for licensed disposal. Avoid dust formation

7. HANDLING AND STORAGE
Precautions for Safe Handling
Avoid contact with skin and eyes. Provide exhaust ventilation in areas where dust if formed.

Precautions for Safe Storage
Keep container tightly closed and in a dry, well-ventilated place. Recommended storage temperature: 2-8°C

Incompatibilities
None known

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
Contains no substances with occupational exposure limit values
PPE: Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

PPE: Hand Protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands.

PPE: Eye Protection
Use a face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

PPE: Skin and Body Protection
When deemed needed according to the concentration and amount of this product, use a complete body suit.

9. PHYSICAL/CHEMICAL PROPERTIES
Appearance White crystalline powder
pH 6.5-8.5
Melting Point/Freezing Point 140-142°C
Boiling Point No data available
Flash Point No data available
Ignition Temperature No data available
Autoignition Temperature No data available
Lower Explosion Limit No data available
Upper Explosion Limit No data available
Vapor Pressure No data available
Density No data available
Water Solubility
Insoluble in water

Solubility in Other Solvents
Freely soluble in acetone, slightly soluble in ethanol and methanol

Partition Coefficient: n-octanol/water
No data available

Optical Rotation
No data available

Absorbance (290nm, 5% in H2O)
No data available

Water content (Karl Fisher)
No data available

10. STABILITY AND REACTIVITY
Chemical Stability
Stable under recommended storage conditions

Possibility of Hazardous Reactions
No data available

Conditions to Avoid
Moisture

Materials to Avoid
Strong oxidizing agents

Hazardous Decomposition Products
Carbon and Nitrogen oxides formed under fire conditions

11. TOXICOLOGICAL INFORMATION
Oral LD50
No data available

Inhalation LC50
No data available

Dermal LD50
No data available

Intraperitoneal LD50
No data available

Intraperitoneal LD50
No data available

Intravenous LD50
No data available

Skin Corrosion/Irritation
No data available

Serious Eye Damage/ Eye Irritation
No data available

Respiratory or Skin Sensitization
No data available

Germ Cell Mutagenicity
No data available

Carcinogenicity
No component of this product present at levels greater than or equal to 0.1% is identified as a potential, probable, or possible human carcinogen by IARC, ACGIH, NTP, or OSHA

Reproductive Toxicity
No data available

Teratogenicity
No data available

Specific Target Organ Toxicity: Single Exposure (Globally Harmonized System)
No data available

Specific Target Organ Toxicity: Repeated Exposure (Globally Harmonized System)
No data available

Aspiration Hazard
No data available

Potential Health Effects
See Section 2, Hazard(s) Identification

Signs and Symptoms of Exposure
Stomach irregularities- based on human evidence

Synergistic Effects
No data available

Additional Information
RTECS: Not available

12. ECOLOGICAL INFORMATION
Toxicity
No data available
Persistence and Degradability  No data available
Bioaccumulative Potential  No data available
Mobility in Soil  No data available
PBT and vPvB Assessment  No data available
Treat as if harmful if released into environment

13. DISPOSAL CONSIDERATIONS
Product  Dispose of product through a licensed disposal company
Contaminated Packaging  Dispose of as unused product

14. TRANSPORTATION INFORMATION
DOT (US)  UN Number: 3462
Proper Shipping Name: Toxins, extracted from living sources, solid, n.o.s. (Salinomycin Sodium)
Class: 6.1
Packing Group: II
Reportable Quantity (RQ): N/A
Marine Pollutant: No
Poison Inhalation Hazard: No

IMDG
Proper Shipping Name: TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (Salinomycin Sodium)
Class: 6.1
Packing Group: II
EMS-No.: F-A, S-A
Marine Pollutant: No

IATA  UN Number: 3462
Proper Shipping Name: Toxins, extracted from living sources, solid, n.o.s. (Salinomycin Sodium)
Class: 6.1
Packing Group: II

15. REGULATORY INFORMATION
SARA 302 Components  No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 313 Components  This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313
SARA 311/312 Hazards  Acute Health Hazard, Chronic Health Hazard
Massachusetts Right to Know Components  No components are subject to the Massachusetts Right to Know Act
Pennsylvania Right to Know Components  Salinomycin Sodium  CAS-Number[55721-31-8]
New Jersey Right to Know Components  
Salinomycin Sodium  
CAS-Number [55721-31-8]  
Revision Date: Not available

California Prop. 65 Components  
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm

EU Information  
SDS in accordance with REACH 1907/2006  
EC List Number [611-309-0]  
See GHS Information under Section 2, Hazard Identification

16. OTHER INFORMATION
Date of last revision: 2016-04-21

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TOKU-E Company shall not be held liable for any damage resulting from handling or from contact with the above product. Please see reverse side of invoice or packing slip for additional terms and conditions of sale.