

**METHICILLIN SODIUM
SAFETY DATA SHEET**

1. IDENTIFICATION

Product Identifier	Methicillin Sodium
Product Number	M029
Distributor Name	TOKU-E Company
Distributor Address	715 W Orchard Dr, Suite 3 Bellingham, WA 98225
Phone Number	(360) 734-1789
Emergency Phone Number	1 (352) 353-3500 (International)
Emergency Phone Number	1 (800) 535-5053 (US Only)
Safety Data Sheet Issued by	TOKU-E USA
CAS-Number	[132-92-3]
EC/REACH Number	[205-083-9]
Recommended Use	Methicillin sodium is a narrow spectrum β -lactam antibiotic in the penicillin family.
Restrictions on Use	Not for human or animal use.

2. HAZARD(S)

IDENTIFICATION

GHS Classification	Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319 Respiratory sensitization (Category 1), H334 Skin sensitization (Category 1), H317 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335 Signal Word: Danger
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GHS Label Elements,
Including Precautionary
statements



Hazard Statements

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.

Precautionary Statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be

allowed out of the workplace.
 P280: Wear protective gloves/ eye protection/ face protection.
 P285: In case of inadequate ventilation wear respiratory protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321: Specific treatment (see supplemental first aid instructions on this label).
 P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.
 P337 + P31:3 If eye irritation persists: Get medical advice/ attention.
 P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 P362: Take off contaminated clothing and wash before reuse.
 P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.
 P501: Dispose of contents/ container to an approved waste disposal plant
 Health hazard: 2
 Chronic Health Hazard: *
 Flammability: 0
 Physical Hazards: 0
 Health Hazard: 2
 Fire: 0
 Reactivity Hazard: 0

HMIS Classification

NFPA Rating

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula	C ₁₇ H ₁₉ N ₂ NaO ₆ S
Molecular Weight	402.4 g/mol
CAS-No.	[132-92-3]
EC-No.	[205-083-9]

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

In Case of Eye Contact	breathing, give artificial respiration. Consult a doctor 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.

**5. FIRE-FIGHTING
MEASURES**

Conditions of Flammability	Not flammable or combustible
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, Sulfur, Sodium, 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 is formed
Precautions for Safe Storage	Keep container tightly closed and in a dry, well- ventilated place. Protect from light. Recommended storage temperature: -20°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 to off-white powder

pH

No data available

Melting Point

196-197°C (dec.)

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

0.3 mg/mL

Solubility in Other Solvents

Acetone: 0.35 mg/mL

Ethanol: 40 mg/mL

Water: Freely soluble

Partition Coefficient: n-octanol/water

No data available

Relative vapor density

No data available

Odor

No data available

Odor Threshold

No data available

Evaporation Rate

No data available

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

No data available

Conditions to Avoid

Light

Materials to Avoid

Acids

Hazardous Decomposition Products

Carbon, Sulfur, Sodium, and Nitrogen oxides formed under fire conditions

**11. TOXICOLOGICAL
INFORMATION**

Oral LD ₅₀	Rat: 2,880 mg/kg
Inhalation LC ₅₀	No data available
Dermal LD ₅₀	No data available
Intraperitoneal LD ₅₀	No data available
Intraperitoneal LD ₅₀	No data available
Intravenous LD ₅₀	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	This is or contains a component that has been reported to be carcinogenic based on its EPA Classification
	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed 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)	Inhalation - May cause respiratory irritation.
Specific Target Organ Toxicity: Repeated Exposure (Globally Harmonized System)	No data available
Aspiration Hazard	No data available
Potential Health Effects Signs and Symptoms of Exposure	See Section 2, Hazard(s) Identification Nausea, vomiting
Synergistic Effects	No data available
Additional Information	RTECS: XH8950000

**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) Not Dangerous Goods
IMDG Not Dangerous Goods
IATA Not Dangerous Goods

**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
Massachusetts Right to
Know Components No components are subject to the Massachusetts
Right to Know Act
Pennsylvania Right to
Know Components Methicillin sodium
CAS-No. [132-92-3]
Revision Date: Not available
New Jersey Right to Know
Components Methicillin sodium
CAS-No. [132-92-3]
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
Canada Information Identifier: [132-92-3]
This substance is not specified on any list. There is
no control measure imposed on this substance
EU Information SDS in accordance with REACH 1907/2006
EC Number [205-083-9]
CAS-No. [132-92-3]
This substance is not specified on any list.
See GHS Information under Section 2, Hazard
Identification

16. OTHER INFORMATION

Date of last revision: 2014-4-15

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 Co. 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.