



聯邦制藥 (內蒙古)
UNITED LABORATORIES (INNER MONGOLIA)

联邦制药(内蒙古)有限公司

THE UNITED LABORATORIES (INNER MONGOLIA) CO., LTD.

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Amoxicillin Trihydrate

1 Chemicals and Company Identification

1.1 Product identifier

Chinese Name of Product	阿莫西林
English Name of Product	Amoxicillin Trihydrate
Product Code	--
Another name	Amoxicillin Trihydrate
CAS NO.	61336-70-7
EC NO.	2480038
Molecular Formula	$C_{16}H_{19}N_3O_5S \cdot 3H_2O$

1.2 Product recommended and restricted usage

Recommended usage of product	Consulting manufacturer
Restricted Usage of product	Consulting manufacturer

1.3 Emergency telephone number

Emergency telephone number	60119; +86-0478-2380158
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2 Description of Hazardous

2.1 Emergency overview

It may give rise to skin allergy; if inhale, it will give rise to allergy or difficulties in breathing

2.2 GHS hazardous category

Skin corrosion/irritation	Class 1
Eye injures/ Eye irritation	--
STOT-single exposure	--
Respiratory allergens	Class 1

2.3 GHS label element

Pictogram	
Signal word	Dangerous

2.4 Hazardous statement

H317	It may give rise to skin allergy
H334	If inhale, it will give rise to allergy or asthma or difficulties in breathing.

2.5 Precaution statement

a) Prevention measure

P101	If required medical attention, carry product containers or labels.
P102	Kept out of children's reach.
P103	Read the label before use



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b) Response measure

P261	Avoid inhalation of dust, flue gas, gas, smog, steam and spray.
P285	Wear respirators when ventilation is poor.
P270	Do not eat, drink or smoke when using this product
P304+P341	If inhale and breathe is difficult, transfer the patient to a place with fresh air, rest, and maintain a breathing position
P342+P311	If with respiratory symptoms, call the POISON CENTER or doctor.

c) Safe storage

P403+P233	Store in a well-ventilated place and keep in an airtight container.
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d) Waste disposal

P501	Dispose of contents/containers in accordance with local / regional / national / international regulations.
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Hazard Description

➤ Physical and chemical hazards

	No information available
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➤ Health hazard

Inhalation	Inhalation may cause allergy or asthma symptoms or breathing difficulties
Ingestion	May cause allergic reactions
Skin contact	May cause skin allergy
Eye	May cause allergic reactions

➤ Environment hazard

	No information available
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3 Component Information

Components	Cas No.	EC No.	Assay (Quantity Score, %)
Amoxicillin Trihydrate	61336-70-7	—	100%

4 First-aid Measures

Description of first- aid measures

General advice	Remove contaminated clothing and seek immediate medical attention if severe allergic reaction occurs. If not breathing, artificial respiration should be performed. If breathing is difficult, give oxygen and seek medical attention.
Eye contact	Immediately raise your eyelids and flush eyes with water or saline. If you feel uncomfortable, seek medical advice.
Skin contact	If the contacts cause physical discomfort through skin contact, they can use appropriate personnel protective equipment and remove contaminated clothing instantly and wash skin with soap and copious amounts of water. If it causes skin rash and eruptions, seek medical attention.
Ingestion	Gargle mouth with water and seek immediate medical attention. Do not feed the unconscious person anything from his mouth.



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Inhalation	Escaped from spot to the air place, maintains the respiratory tract is unobstructed. If breathing is difficult, give oxygen. If not breathing and heartbeat is stopped, give CPR. Seek medical attention
Protection for first-aid personnel	Transfer the patient to a safe place and consult the doctor. And show this MSDS to the doctor on-site.

✚ Counsel for the protection of rescuer

1	Transfer the patient to a safe place
2	Consult the doctor and show this MSDS to the doctor on-site.
3	Avoid contact with skin and eyes
4	Use protective equipment, including breathing masks

✚ Special notice for doctors

Symptomatic treatment should be conducted
Symptoms may be delayed

5 Fire-fighting Measures

✚ Extinguishing media

Suitable extinguishing media	Firemen must wear full bunker clothing and breathing apparatus, fighting from the upper side of wind. Put out the flame with spray water, alcohol-resistant foam, dry powder or carbon dioxide. Water is recommended for fire extinguishing of packaged materials.
Unsuitable extinguishing media	--

✚ Special hazard from this substance or its mixture

1	No information available
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✚ Fire extinguishing precaution and protection measures

1	When extinguish fire, should wear respiratory mask (require or equivalent to the requirement of MSHA/NIOSH) and protective whole body suit.
2	Move the container from the fire to an open area if possible
3	Containers in a fire must be evacuated immediately if they are discolored or sound from a safety pressure relief device
4	Segregate the site of accident, prohibit irrelevant personnel access. Accept and dispose of fire fighting water to prevent environment pollution.

6 Leakage Emergency Disposals

✚ Operation personal protection measures, protection equipment and emergency procedures

1	Use personal protective equipment
2	Prevent the formation of dust and inhalation of steam, vapor or gas
3	Ensure adequate ventilation.
4	Evacuate personnel to a safe area to avoid inhaling dust and to keep products out of the sewer



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5	Collect and dispose of spills without dusting and shoveling them away, and kept in a properly sealed disposal container
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Environment precautions

1	Avoid discharge into waterways, sewers, surface drainage system or poor ventilation area. If spills are outdoors, cover with plastic sheets to minimize diffusion or contact with rainwater.
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Method and material for containment and cleaning up of leakage chemicals

1	Collect and place in appropriate labeled containers for recycling or disposal. Then remove the spillage, only in the case of waste water exists, flush the spillage area with a large amount of water directly to the on-site waste water treatment system.
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7 Handling and Storage

Precautions for safe handling

1	Avoid contact with skin and eyes
2	Prevent the formation of dust and aerosol
3	Provide suitable exhaust equipment where dust is generated
4	General fire protection measures

Precautions for storage

1	Preserve in a cool place
2	Preserve in a tightly closed container, store in dry and ventilated place away from light
3	Avoid contact with incompatible substances
4	Keep sealed or away from moisture and flammable areas
5	Avoid long-term storage at high temperature (above room temperature, about 20°C)

8 Exposure Controls and Personal Protection

Control parameters

Occupational exposure limit values

Component	Source of criteria	Category	Limit value	Remark
Amoxicillin Trihydrate	GBZ 2.1-2007	PC-TWA	—	—
		PC-STEL	—	

Biological limit values

Biological limit values	No information available
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Monitoring method

1	EN14042 Workplace air, procedural guidelines for assessing exposure to chemical or biological reagents
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (series standard)

Engineering control

1	Engineering control: Maintain good ventilation
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Personal protection equipment



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General requirements	   
Eye protection	Wear chemical goggles (Conform to EU EN166 or US NIOSH standard)
Hands protection	Wear protective gloves, the gloves must be checked before use
Respiratory protection	If ventilation is inadequate, wear a protective mask
Skin and body protection	Wear standard protective clothes and safety shoes.
Other protection	Smoking, drinking and eating are prohibited in the workplace. Wash and dress after work to maintain good personal hygiene habits.

9 Physical and Chemical Properties

Physical and chemical properties

Appearance and character	Almost white solid powder
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point (°C)	135-136 (decompose)
Initial boiling point and boiling range (°C)	743°C
Flash point (closed up, °C)	Not applicable
Evaporation rate	Not applicable
Flammability (solid or gas)	No information available
Upper/lower explosive limits [% (V/V)]	No information available
Vapor pressure (kpa)	Not applicable
Vapor density (air=1)	Not applicable
Relative density (water=1)	1.54g/cm ³
Solubility (mg/l)	Not available
Partition coefficient: octanol/water	No information available
Auto-ignition temperature (°C)	No information available
Decomposition temperature (°C)	No information available
Viscosity (mm ² /s)	Not available

10 Stability and Reactivity

Stability and reactivity

Reactivity	No information available
Chemical stability	Store and use at normal ambient temperature, the product is stable
Possibility of hazardous reactions	No information available
Conditions to avoid	Avoid direct sunlight, and avoid forming dust fog to cause heat release.



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contacting	or diffusion. Protected from Heat and moisture
Prohibited content	Strong oxides, strong acids, strong bases.
Hazardous decomposition products	No information available

11 Toxicological Information

⚠ Acute toxicity

Acute toxicity	No information available
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⚠ Carcinogenicity

ID	Cas No.	Component name	IARC	NTP
1	61336-70-7	Amoxicillin Trihydrate	Not listed	Not listed

⚠ Other information

Trypsin (Component)	
Skin corrosion/irritation	No information available
Serious eye damage/irritation	Direct contact with the eyes may cause slight irritation
Skin sensitization	No irritation after direct contact
Respiratory sensitization	No information available
Reproductive toxicity	No information available
STOT-single exposure	No information available
STOT-repeated exposure	No information available
Inhalation hazard	No information available
Germ cell mutagenicity	No information available
Additional hazard of reproductive toxicity	No information available

12 Ecological Information

⚠ Acute aquatic toxicity

Component	Cas No.	Fish	Crustacea	Alga/Aquatic plant
Amoxicillin Trihydrate	61336-70-7	No information available	No information available	No information available

⚠ Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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⚠ Other information

Persistence and degradability	No information available
Bio-concentration or Bioaccumulative potential	No information available
Mobility in soil	No information available
Results of PBT and vPvB assessment	No information available

13 Waste Disposal



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Waste treatment method

Waste chemicals	Collect for recycling or recovery, if possible. The recommended treatment is incineration. Dispose of material on site in a licensed chemical incinerator, if allowed by the incinerator permit. If no on-site incinerator is available, dispose of material in a licensed commercial chemical incinerator.
Contaminant packages	Return the containers to the manufacturer or dispose of in accordance with national and local regulations.
Precaution for wastes	Refer to relevant regulations in national and local before waste disposal. Refer to section 8 for safety protection measures of disposal personnel.

14 Transport Information

Transport information

UN NO.	This product is not regulated as hazardous goods
UN correct transportation name	No information available
Main hazard category of transportation	This product is not regulated as hazardous goods
Minor hazard category of transportation	This product is not regulated as hazardous goods
Package category	This product is not regulated as hazardous goods
Ocean pollutant (Yes/No)	No
Package mark	N/A
Packing method	Packing according to manufacturer's recommendation, For example: open steel drum, ampoule inside and ordinary wooden box outside or screw mouth glass bottle, Glass bottle with iron lid, plastic bottle, metal drum (can) inside and ordinary wooden box outside, etc.
Transportation precaution	The packing should be complete at the time of shipment and the loading should be safe. During transportation, make sure the containers does not leak, collapse, fall or damage. Transportation vehicles should be equipped with corresponding types and quantities of firefighting equipment and leakage emergency treatment equipment. Avoid exposure to the sun and rain during transportation.

15 Regulatory Information



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International chemicals list

Component	EINECS	TSCA	DSL	IECSC	NEIoC	PICCS	KECI	AICS
Amoxicillin Trihydrate	x	x	x	x	x	x	x	x

[EINECS] European Inventory of Existing Commercial Chemical Substances.

[TSCA] Toxic Substances Control Act, The American chemical inventory.

[DSL] Domestic Substances List, The Canadian chemical inventory.

[IECSC] Inventory of existing chemical substances in China.

[NEIoC] New Zealand Existing Inventory of Chemicals

[PICCS] Philippine Inventory of Chemicals and Chemical Substances

[KECI] Korea Existing Chemicals Inventory

[AICS] Australian Inventory of Chemical Substances.

China chemical management inventory

Component	A	B	C	D	E	F	G	H	I
Amoxicillin Trihydrate	x	x	x	x	x	x	x	x	x

[A] <Hazardous Chemicals Catalog (2015)>, Administration of Work Safety, announcement no. 5 in 2015.

[B] <Key Environmental Management Hazardous Chemicals Catalog>, Environment and Protection Department Office, announcement no. 33 in 2014.

[C] <China Strictly Restricted Import and Export Toxic Chemicals Catalog>, Environment and Protection Department, announcement no. 85 in 2013.

[D] <Stupefacient and Psychotropic Drugs Catalog (2013 edition)>, FDA, announcement no. 230 in 2013.

[E] <Special Supervision Hazardous Chemicals Catalog (batch 1 and 2)>, Administration of Work Safety, announcement no. 95 in 2011 and announcement no. 12 in 2013.

[F] <China Import and Export Controlled ODS Catalog (batch 1 to 6)>, Environment and Protection Department, series announcements in 2000 and 2012.

[G] <Explosive Hazardous Chemicals Catalog (2011 edition)>, Public Security Ministry, announcement on 25th, Nov. 2011.

[H] <National Hazardous Wastes Catalog>, appendix A, Environment and Protection Department, announcement no. 1 in 2016.

[I] <High Toxic Substances Catalog> Ministry of Health, announcement no. 142 in 2003.

16 Other Information

Revision information

Establishment Date	2013/02
Revision Date	2015/06
Revision Date	2019/05
Revision Date	2020/07