

## AMPICILLIN (TRIHYDRATE)

### SECTION 1: PRODUCT IDENTIFICATION

Product Name: AMPICILLIN (TRIHYDRATE)  
Product Code: CM 23,625  
CAS#: 7177-48-2  
CI#: Not available  
Synonym: D-(-)- $\alpha$ -Aminobenzylpenicillin  
Molecular Weigh: 403,45 g/mol  
Chemical Formula:  $C_{16}H_{19}N_3O_4S \cdot 3H_2O$

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Synonyms: D-(-)- $\alpha$ -Aminobenzylpenicillin  
Formula:  $C_{16}H_{19}N_3O_4S \cdot 3H_2O$   
Molecular Weigh: 403,45 g/mol  
CAS-No. : 7177-48-2  
EC-No. : 200-709-7

### SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Respiratory sensitisation (Category 1), H334 Skin sensitisation (Category 1), H317 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.  
If inhaled If breathed in. Move person into fresh air. If not breathing, give artificial respiration. Consult a physician  
In case of skin contact Wash off with soap and plenty of water. Consult a physician.  
In case of eye contact Flush eyes with water as a precaution.  
If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
Most important symptoms and effects, both acute and delay No data available  
Indication of any immediate medical attention and special treatment needed no data available

### SECTION 5: FIRE FIGHTING MEASURES

#### Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NOx) Sulphur oxides  
Advice for firefighters Wear self contained breathing apparatus for firefighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES



Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.  
 Environmental precautions Do not let product enter drains.

Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

### SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C

Specific end use(s) A part from the uses no other specific uses are stipulated

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	:Solid
Odour	:Not available
Taste	:Not available
Molecular Weight	:Not available
Colour	:Not available
pH	:Not available
Boiling Point	:Not available
Melting Point	:Not available
Critical Temperature	:Not available
Specific Density	:Not Available
Vapor Pressure	:Not Available
Vapor Density	:Not available
Volatility	:Not Available
Odor Threshold	:Not Available
Water/Oil Dist. Coeff.	:Not Available
Ionicity (in Water)	:Not Available
Dispersion Properties	:Not Available
Solubility	:Slightly soluble



**SECTION 10: STABILITY AND REACTIVITY DATA**

Reactivity no data available  
 Chemical stability Stable under recommended storage conditions.  
 Possibility of hazardous reactions no data available  
 Conditions to avoid Light  
 Incompatible materials Strong oxidizing agents.  
 Hazardous decomposition products other decomposition products - no data available

**SECTION 11: TOXICOLOGICAL INFORMATION**

Information on toxicological effects Acute toxicity LD50 Oral - rat - > 10.000 mg/kg  
 Skin corrosion/irritation no data available  
 Serious eye damage/eye irritation no data available  
 Respiratory or skin sensitization no data available  
 Carcinogenicity  
 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**SECTION 12: ECOLOGICAL INFORMATION**

Toxicity no data available  
 Persistence and degradability no data available  
 Bioaccumulative potential no data available  
 Mobility in soil no data available  
 Results of PBT and vPvB assessment PBT/vPvB assessment not available  
 Other adverse effects no data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**SECTION 14: TRANSPORT INFORMATION**

UN number:		
ADR/RID:	IMDG:	IATA:
UN proper shipping name		
ADR/RID: Not dangerous goods		
IMDG: Not dangerous goods		
IATA: Not dangerous goods		
Transport hazard class (es):		
ADR/RID:	IMDG:	IATA:
Packaging group:		
ADR/RID:	IMDG:	IATA:
Environmental hazards:		
ADR/RID: No	IMDG Marine pollutant:No	IATA: No

**SECTION 15: OTHER REGULATORY INFORMATION**

Regulatory information This safety datasheet complies with the requirements of Regulation (EC) No.



1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture no data available  
Chemical Safety Assessment For this product a chemical safety assessment was not carried out

#### SECTION 16: OTHER INFORMATION

References: Full Text of H & R Statements:

Not available.

Other Special Considerations: Not available.

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