## **SAFETY DATA SHEETS**

# This SDS packet was issued with item:

078904589

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078905401

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078890290 078890308 078904779

## **MATERIAL SAFETY DATA SHEET**

### 1. Product and Company Identification

Material name	Ampicillin for Injection
Revision date	01-24-2012
Version #	01
CAS #	69-52-3
Product code	NDC CODE: 55150-111-10, 55150-112-10, 55150-113-10, 55150-114-20, 55150-115-99 (for 250mg, 500mg, 1g, 2g, 10g)
Product use	Antibacterial/Beta lactam, Penicillins.
Manufacturer/Supplier	AuroMedics 6 Wheeling Road, Dayton NJ 08810 vandolina@aurobindousa.com Contact Person: Vincent Andolina
Telephone	609-642-1136
Emergency	732-823-8084
2. Hazards Identification	
Physical state	Powder.
Appearance	White to off-white powder.
Emergency overview	WARNING
	May cause allergic respiratory and skin reactions.
Potential health effects	
Routes of exposure	Eye contact. Inhalation. Skin contact.
Eyes	May cause eye irritation on direct contact.
Skin	May cause allergic skin reaction.
Inhalation	May cause allergic respiratory reaction.
Ingestion	Ingestion may cause irritation and malaise. May cause serious or fatal hypersensitivity (anaphylactic) reactions in some individuals.
Target organs	Eyes. Skin. Lungs. Blood.
Potential environmental effects	No data available.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent	
Ampicillin sodium	69-52-3	100	

Composition comments	All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in
	percent by volume.

## 4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush with plenty of water for at least 15 minutes occasionally lifting upper and lower eyelids. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and monitor closely. Get medical attention immediately.
Ingestion	DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.
Notes to physician	Treat symptomatically. Exposure may aggravate pre-existing skin or respiratory disorders.

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### 5. Fire Fighting Measures

Flammable properties	The product is not flammable.
Extinguishing media	
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Fire fighting equipment/instructions	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Hazardous combustion products	Carbon oxides. Nitrogen Oxides Sulfur oxides.

### 6. Accidental Release Measures

Personal precautions	Wear appropriate personal protective equipment (See Section 8).
Environmental precautions	Do not allow to enter drains, sewers or watercourses.
Methods for cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.
7 Handling and Starage	

#### 7. Handling and Storage

Handling

Wear protective clothing as described in Section 8 of this safety data sheet. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Minimize dust generation and accumulation.

StorageStore at controlled room temperature at 20–25 °C (68-77°F). Store away from incompatible<br/>materials (See Section 10).

### 8. Exposure Controls / Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Engineering controls	Provide adequate ventilation.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear protective gloves. Wear protective clothing appropriate for the risk of exposure.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Use high efficiency particulate respirator with appropriate filter.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical & Chemical Properties

Appearance	White to off-white powder.
Color	White to off-white.
Odor	Not available.
Odor threshold	Not available.
Physical state	Solid.
Form	Powder.
рН	Not available.
Melting point	395.6 °F (202 °C)
Freezing point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.

Vapor pressure	< 0.0000001 kPa at 25 °C
Vapor density	Not available.
Specific gravity	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Molecular formula	C16H19N3O4S.Na

### 10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat. Water, moisture. Minimize dust generation and accumulation. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides. Sulfur oxides.
Possibility of hazardous reactions	Will not occur.

### **11. Toxicological Information**

Toxicological data	
Product	Test Results
Ampicillin sodium (69-52-3)	Acute Oral LD50 Rat: > 5314 mg/kg
Acute effects	May cause eye irritation on direct contact. Ingestion may cause irritation and malaise. May cause serious or fatal hypersensitivity (anaphylactic) reactions in some individuals.
Sensitization	May cause allergic respiratory and skin reactions.
Carcinogenicity	This material is not classified as a carcinogen by IARC, ACGIH, NTP or OSHA.
12. Ecological Information	on

Ecotoxicity	This materi

Ecotoxicity	This material has not been tested for environmental effects.
Persistence and degradability	Not available.
Bioaccumulation / Accumulation	No data available.
Partition coefficient (n-octanol/water)	Not available.
Mobility in environmental media	No data available.

## 13. Disposal Considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

<b>DOT</b> Not regulated as dangerous goods.	
ΙΑΤΑ	
Not regulated as dangerous goods.	
IMDG	
Not regulated as dangerous goods.	
TDG	
Not regulated as dangerous goods.	
Ampicillin for Injection	CPH MSDS NA

### 15. Regulatory Information

**US** federal regulations

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D) Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

No

No

Hazard categories	
Section 302 extremely hazardous substance (40 CRF 355, Appendix A)	
Section 311/312 (40 CFR 370)	
Drug Enforcement Administration (DEA) (21 CFR	

Not controlled

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Administration (DEA) (21 CFR 1308.11-15)

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. Non-controlled

## WHMIS status





Inventory status

Country(s) or region	Inventory name On inventory (	(yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No
*A "Yes" indicates that all compo	nents of this product comply with the inventory requirements administered by the governing country(s)	

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

### 16. Other Information

HMIS® ratings	Health: 2* Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 0 Instability: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.

Ampicillin for Injection

906557 Version #: 01 Revision date: 01-24-2012 Print date: 01-24-2012

Issue date

01-24-2012

# Ampicillin & Sulbactam for Injection Safety Data Sheet

<b>SECTION 1: Identification of the s</b>	substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	: Ampicillin & Sulbactam for Injection
Other means of identification	: NDC: 55150-116-20, 55150-117-20, 55150-118-99 (for 1.5g, 3g, 15g)
1.2. Relevant identified uses of the s	ubstance or mixture and uses advised against
Use of the substance/mixture	: Anitbacterial/Beta lactam, Penicillins
1.3. Details of the supplier of the saf	ety data sheet
AuroMedics 6 Wheelling Road Dayton, NJ 08810 T 609-642-1136	
1.4. Emergency telephone number	
Emergency number	: 888-238-7880, option 2
<b>SECTION 2: Hazards identificatio</b>	n
2.1. Classification of the substance of	or mixture
Classification (GHS-US)	
Acute Tox. 4 (Oral)H302Resp. Sens. 1H334Skin Sens. 1H317Full text of H-phrases: see section 16	
2.2. Label elements GHS-US labeling	
Hazard pictograms (GHS-US)	HS07 GHS08
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	:H302 - Harmful if swallowed H317 - May cause an allergic skin reaction H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust/fume/gas/mist/vapors/spray</li> <li>P264 - Wash thoroughly after handling</li> <li>P270 - Do not eat, drink or smoke when using this product</li> <li>P272 - Contaminated work clothing must not be allowed out of the workplace</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P284 - [In case of inadequate ventilation] wear respiratory protection</li> <li>P301 + P312 - If swallowed: Call a poison center/doctor if you feel unwell</li> <li>P302 + P352 - If on skin: Wash with plenty of water</li> <li>P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P333 - Rinse mouth</li> <li>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention</li> <li>P342 + P311 - If experiencing respiratory symptoms: Call a poison center/doctor</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.</li> </ul>
2.3. Other hazards	
No additional information available	
2.4 Unknown coute toxicity (CHS III	

Unknown acute toxicity (GHS-US) 2.4.

Not applicable

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## **Ampicillin & Sulbactam for Injection**

Safety Data Sheet

### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substance

#### Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6- (aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1- azabicyclo[3.2.0]heptane-2-carboxylate	(CAS No) 69-52-3	60 - 70	Resp. Sens. 1, H334 Skin Sens. 1, H317
Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1- azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide	(CAS No) 69388-84-7	30 - 40	Acute Tox. 4 (Oral), H302

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and monitor closely. Get medical attention immediately.
First-aid measures after skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	Immediately flush with plenty of water for at least 15 minutes occasionally lifting upper and lower eyelids. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
First-aid measures after ingestion	DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/injuries after inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact	May cause an allergic skin reaction.
Symptoms/injuries after eye contact	May cause eye irritation on direct contact.
Symptoms/injuries after ingestion	Ingestion may cause irritation and malaise. May cause serious or fatal hypersensitivity

(anaphylactic) reactions in some individuals.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTI	ON 5: Firefighting measures		
5.1.	Extinguishing media		
Suitable	extinguishing media	: Use extinguishing media appropriate for surrounding fire.	
5.2.	Special hazards arising from the subs	stance or mixture	
Fire haza	ard	: None known.	
5.3.	Advice for firefighters		
Protectio	n during firefighting	: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
SECTI	ON 6: Accidental release measu	Ires	
6.1.	Personal precautions, protective equi	pment and emergency procedures	
General	measures	: No special measures required.	
6.1.1.	For non-emergency personnel		
No additi	onal information available		
6.1.2.	For emergency responders		
No additi	onal information available		
6.2.	Environmental precautions		
Prevente	entry to sewers and public waters.		
6.3.	Methods and material for containmen	t and cleaning up	
For conta	ainment	: Stop the flow of material, if this is without risk.	
Methods	for cleaning up	: Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.	
6.4.	Reference to other sections		
No additi	onal information available		
08/04/201	5	EN (English US)	2/5

# Ampicillin & Sulbactam for Injection Safety Data Sheet

SECT	ION 7: Handling an	nd storage
7.1.	Precautions for safe	handling
Precaut	tions for safe handling	: Wear protective clothing as described in Section 8 of this safety data sheet. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Minimize dust generation and accumulation.
7.2.	Conditions for safe s	torage, including any incompatibilities
Storage	e conditions	: Store at controlled room temperature at 20–25 °C (68-77°F). Store away from incompatible materials
7.3.	Specific end use(s)	
No addi	itional information availat	le
SECT	ION 8: Exposure c	ontrols/personal protection
8.1. Control parameters		
	ım [2S-[2.alpha.,5.alpha xylate (69-52-3)	.,6.beta.(S*)]]-6-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-
		Not applicable
ACGI	7	Not applicable

Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls	
Appropriate engineering controls	: Local exhaust and general ventilation must be adequate to meet exposure standards.
Hand protection	: Wear protective gloves.
Eye protection	: Wear safety glasses with side shields (or goggles).
Skin and body protection	: Wear suitable working clothes.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR

1910.134. Respirator type: Use high efficiency particulate respirator with appropriate filter.

<b>SECTION 9: Physical and chemi</b>	cal properties
9.1. Information on basic physical a	
Physical state	: Solid
Appearance	: Powder.
Color	: White to off-white
Odor	: Odorless.
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: No data available

08/04/2015

# Ampicillin & Sulbactam for Injection Safety Data Sheet

: No data available

Log Pow

LUY FUW	
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and sto	rage conditions.
10.3. Possibility of hazardous reactions	
Will not occur.	
10.4. Conditions to avoid	
Heat. Water, moisture. Minimize dust generation	and accumulation. Contact with incompatible materials.
10.5. Incompatible materials	
Strong oxidizers.	
-	
10.6. Hazardous decomposition products	
Carbon oxides. Nitrogen oxides. Sulfur oxides.	
SECTION 11: Toxicological informat	ion
SECTION 11: Toxicological informat 11.1. Information on toxicological effects	
11.1. Information on toxicological effects	
Information on toxicological effects           Acute toxicity	
Information on toxicological effects           Acute toxicity           Ampicillin & Sulbactam for Injection	: Oral: Harmful if swallowed.
Information on toxicological effects           Acute toxicity           Ampicillin & Sulbactam for Injection           ATE US (oral)	: Oral: Harmful if swallowed. 1250.000 mg/kg body weight
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-	: Oral: Harmful if swallowed.
Information on toxicological effects           Acute toxicity           Ampicillin & Sulbactam for Injection           ATE US (oral)	: Oral: Harmful if swallowed. 1250.000 mg/kg body weight
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       LD50 oral rat	<ul> <li>Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	<ul> <li>Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>-azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-ATE US (oral)	<ul> <li>Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>-azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)</li> <li>500.000 mg/kg body weight</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	<ul> <li>Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>-azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)</li> <li>500.000 mg/kg body weight</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-4)         ATE US (oral)       Skin corrosion/irritation	<ul> <li>: Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>-azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)</li> <li>500.000 mg/kg body weight</li> <li>: Not classified pH: 6 - 8.5 (Aqueous solution)</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-ATE US (oral)	<ul> <li>Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>-azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)</li> <li>500.000 mg/kg body weight</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-ATE US (oral)         Skin corrosion/irritation       Serious eye damage/irritation	<ul> <li>: Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>-azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)</li> <li>500.000 mg/kg body weight</li> <li>: Not classified pH: 6 - 8.5 (Aqueous solution)</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Ampicillin & Sulbactam for Injection         ATE US (oral)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-carboxylate (69-52-3)         LD50 oral rat       Sodium (2S-cis)-3,3-dimethyl-7-oxo-4-thia-1-ATE US (oral)         Skin corrosion/irritation       Serious eye damage/irritation         Serious or skin sensitization       Respiratory or skin sensitization	<ul> <li>Oral: Harmful if swallowed.</li> <li>1250.000 mg/kg body weight</li> <li>(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>&gt; 5314 mg/kg</li> <li>azabicyclo[3.2.0]heptane-2-carboxylate 4,4-dioxide (69388-84-7)</li> <li>500.000 mg/kg body weight</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> </ul>
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# **Ampicillin & Sulbactam for Injection**

Safety Data Sheet

SECTI	ON 12: Ecological information	
12.1.	Toxicity	
No addit	ional information available	
12.2.	Persistence and degradability	
No addit	ional information available	
12.3.	Bioaccumulative potential	
No addit	ional information available	
12.4.	Mobility in soil	
No addit	ional information available	
12.5.	Other adverse effects	
Effect or	the global warming	: No known ecological damage caused by this product.
SECTI	ON 13: Disposal consideration	S
13.1.	Waste treatment methods	
Waste d	sposal recommendations	: Dispose of contents/container in accordance with local/regional/national/international regulations.
SECTI	ON 14: Transport information	
Departn	nent of Transportation (DOT)	
	dance with DOT	
Not a da	ngerous good as defined in transport reg	ulations
SECTI	ON 15: Regulatory information	
	Federal regulations	
	ional information available	
	State regulations	
SECTI	ON 16: Other information	
_	of H-phrases::	Aguta taviaity (aral) Catagony 4

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Resp. Sens. 1	Respiratory sensitisation Category 1
Skin Sens. 1	Skin sensitization Category 1
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

SECTION 1: Identification of the s	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	: Ampicillin for Injection
Other means of identification	: NDC: 55150-111-10, 55150-112-10, 55150-113-10, 55150-114-20, 55150-115-99 (for 250mg, 500mg, 1g, 2g, 10g)
	ubstance or mixture and uses advised against
Jse of the substance/mixture	: Anitbacterial/Beta lactam, Penicillins
1.3. Details of the supplier of the safe	ety data sheet
AuroMedics 6 Wheelling Road Dayton, NJ 08810 T 609-642-1136	
1.4. Emergency telephone number	
Emergency number	: 888-238-7880, option 2
SECTION 2: Hazards identification	h
2.1. Classification of the substance o	r mixture
Classification (GHS-US)	
Resp. Sens. 1 H334 Skin Sens. 1 H317	
Full text of H-phrases: see section 16	
un text of 11-pinases. see section 10	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS08
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H317 - May cause an allergic skin reaction H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
Procentionary statements (CHS LIS)	
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust/fume/gas/mist/vapors/spray</li> <li>P272 - Contaminated work clothing must not be allowed out of the workplace</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P284 - [In case of inadequate ventilation] wear respiratory protection</li> <li>P302 + P352 - If on skin: Wash with plenty of water</li> <li>P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention</li> <li>P342 + P311 - If experiencing respiratory symptoms: Call a poison center/doctor</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.</li> </ul>
2.3. Other hazards	
No additional information available	
2.4. Unknown acute toxicity (GHS-US	
Not applicable	
SECTION 3: Composition/informa	tion on ingredients
3.1. Substance	
Not applicable	

05/21/2015

Name				
		Product identifier	%	Classification (GHS-US)
(aminop	[2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6- henylacetamido)-3,3-dimethyl-7-oxo-4-thia-1- clo[3.2.0]heptane-2-carboxylate	(CAS No) 69-52-3	100	Resp. Sens. 1, H334 Skin Sens. 1, H317
Full text	of H-phrases: see section 16		I	
SECTI	ON 4: First aid measures			
4.1.	Description of first aid measures			
First-aid	measures after inhalation	Move to fresh air. If not breathing, give and monitor closely. Get medical atten		If breathing is difficult, give oxygen
First-aid	measures after skin contact :	Immediately flush with plenty of water to clothing and shoes. Get medical attent		
First-aid	measures after eye contact :	Immediately flush with plenty of water i lower eyelids. If easy to do, remove co		
First-aid	measures after ingestion :	DO NOT induce vomiting. If victim is fu by mouth to an unconscious person. If prevent aspiration. Call a physician or	vomiting occurs, kee	p head lower than the hips to help
4.2.	Most important symptoms and effects,	both acute and delayed		
Sympton	ns/injuries after inhalation :	May cause allergy or asthma symptom	is or breathing difficu	Ities if inhaled.
Sympton	ns/injuries after skin contact	May cause an allergic skin reaction.		
Sympton		May cause eye irritation on direct conta		
Sympton	ns/injuries after ingestion :	Ingestion may cause irritation and mala (anaphylactic) reactions in some indivi-		ous or fatal hypersensitivity
4.3. No additi	Indication of any immediate medical at ional information available	tention and special treatment needed	1	
SECTI	ON 5: Firefighting measures			
5.1.	Extinguishing media			
Suitable	extinguishing media :	Use extinguishing media appropriate for	or surrounding fire.	
5.2.	Special hazards arising from the subst	ance or mixture		
5.2. Fire haza		ance or mixture None known.		
Fire haza				
Fire haza	Advice for firefighters		d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio	Advice for firefighters	None known. Self-contained breathing apparatus an	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio	Advice for firefighters on during firefighting	None known. Self-contained breathing apparatus an	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1.	Advice for firefighters Advice for firefighters an during firefighting : ON 6: Accidental release measu Personal precautions, protective equip	None known. Self-contained breathing apparatus an	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1. General 1 6.1.1.	Advice for firefighters Advice for firefighters an during firefighting : ON 6: Accidental release measu Personal precautions, protective equip	None known. Self-contained breathing apparatus an res ment and emergency procedures	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1. General 6.1.1. No additi	Advice for firefighters Advice for firefighters Advice for firefighting CON 6: Accidental release measu Personal precautions, protective equip measures For non-emergency personnel ional information available	None known. Self-contained breathing apparatus an res ment and emergency procedures	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1. General 1 6.1.1. No additi 6.1.2.	Advice for firefighters Advice for firefighters an during firefighting ON 6: Accidental release measure Personal precautions, protective equip measures For non-emergency personnel	None known. Self-contained breathing apparatus an res ment and emergency procedures	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1. General 6.1.1. No additi 6.1.2. No additi 6.2.	ard       :         Advice for firefighters       .         an during firefighting       :         ON 6: Accidental release measure       .         Personal precautions, protective equip       .         measures       :         For non-emergency personnel       .         ional information available       .         For emergency responders       .         ional information available       .         Environmental precautions       .	None known. Self-contained breathing apparatus an res ment and emergency procedures	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1. General 6.1.1. No additi 6.1.2. No additi 6.2.	ard       :         Advice for firefighters       :         on during firefighting       :         ON 6: Accidental release measure       :         Personal precautions, protective equiper       :         measures       :         For non-emergency personnel       :         ional information available       :         For emergency responders       :         ional information available       :	None known. Self-contained breathing apparatus an res ment and emergency procedures	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1. General 6.1.1. No additi 6.1.2. No additi 6.2. Prevent of	ard       :         Advice for firefighters       .         an during firefighting       :         ON 6: Accidental release measure       .         Personal precautions, protective equip       .         measures       :         For non-emergency personnel       .         ional information available       .         For emergency responders       .         ional information available       .         Environmental precautions       .	None known. Self-contained breathing apparatus an res ment and emergency procedures No special measures required.	d full protective cloth	ing must be worn in case of fire.
Fire haza 5.3. Protectio SECTIO 6.1. General 0 6.1.1. No additi 6.1.2. No additi 6.2. Prevent o	ard       :         Advice for firefighters	None known. Self-contained breathing apparatus an res ment and emergency procedures No special measures required.	out risk.	
Fire haza 5.3. Protectio SECTIO 6.1. General 6.1.1. No additi 6.1.2. No additi 6.2. Prevent of 6.3. For conta	ard       :         Advice for firefighters	None known. Self-contained breathing apparatus an res ment and emergency procedures No special measures required.	out risk.	

SECTION 7: Handling and sto	rage
7.1. Precautions for safe handli	ng
Precautions for safe handling	: Wear protective clothing as described in Section 8 of this safety data sheet. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Minimize dust generation and accumulation.
7.2. Conditions for safe storage	, including any incompatibilities
Storage conditions	: Store at controlled room temperature at 20–25 °C (68-77°F). Store away from incompatible materials
7.3. Specific end use(s)	

#### No additional information available

SECTION	8: Exposure co	ntrols/personal protection
8.1. Co	ntrol parameters	
Sodium [2 carboxylat		6.beta.(S*)]]-6-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-
ACGIH	!	Not applicable
OSHA	1	Not applicable

8.2. Exposure controls	
Appropriate engineering controls	: Local exhaust and general ventilation must be adequate to meet exposure standards.
Hand protection	: Wear protective gloves.
Eye protection	: Wear safety glasses with side shields (or goggles).
Skin and body protection	: Wear suitable working clothes.
Respiratory protection	: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR

1910.134. Respirator type: Use high efficiency particulate respirator with appropriate filter.

<b>SECTION 9: Physical and chemic</b>	al properties
9.1. Information on basic physical a	
Physical state	: Solid
Appearance	: Powder.
Color	: White to off-white
Odor	: Odorless.
Odor threshold	: No data available
рН	: No data available
Melting point	: 202 °C (395.6 °F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: < 0.0000001 kPa @25°C
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available

1 1	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and stora	age conditions.
10.3. Possibility of hazardous reactions	
Will not occur.	
10.4. Conditions to avoid	
Heat. Water, moisture. Minimize dust generation a	and accumulation. Contact with incompatible materials.
10.5. Incompatible materials	
Strong oxidizers.	
10.6. Hazardous decomposition products	
Carbon oxides. Nitrogen oxides. Sulfur oxides.	
	on
SECTION 11: Toxicological information 11.1. Information on toxicological effects Acute toxicity	on : Not classified
Information on toxicological effects           Acute toxicity           Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(	
Information on toxicological effects           Acute toxicity	: Not classified
Information on toxicological effects           Acute toxicity           Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)	: Not classified aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-
Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(           Carboxylate (69-52-3)           LD50 oral rat	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> </ul>
Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(           Carboxylate (69-52-3)           LD50 oral rat	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified         <ul> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified                  pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified                  pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an</li> </ul> </li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Respiratory or skin sensitization	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> </ul>
Information on toxicological effects           Acute toxicity           Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)           LD50 oral rat           Skin corrosion/irritation           Serious eye damage/irritation           Respiratory or skin sensitization           Germ cell mutagenicity           Carcinogenicity	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Serious eye damage/irritation         Germ cell mutagenicity       Carcinogenicity         Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (59-52-3))       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (59-52-3))	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Serious eye damage/irritation         Germ cell mutagenicity       Carcinogenicity         Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3))	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Serious eye damage/irritation         Germ cell mutagenicity       Carcinogenicity         Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3))       IARC group	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified</li> <li>pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>3 - Not classifiable</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Serious eye damage/irritation         Germ cell mutagenicity       Carcinogenicity         Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3))       IARC group         Reproductive toxicity       Specific target organ toxicity (single exposure)	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Xot classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Serious eye damage/irritation         Germ cell mutagenicity       Carcinogenicity         Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3))       IARC group         Reproductive toxicity       Specific target organ toxicity (single exposure)         Specific target organ toxicity (repeated       Specific target organ toxicity (repeated	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> <li>Not classified</li> <li>Sol classified</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Serious eye damage/irritation         Germ cell mutagenicity       Carcinogenicity         Carboxylate (69-52-3)       IARC group         Reproductive toxicity       Specific target organ toxicity (single exposure)         Specific target organ toxicity (repeated exposure)       Aspiration hazard	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>3 - Not classified</li> <li>Not classified</li> </ul>
11.1.       Information on toxicological effects         Acute toxicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         LD50 oral rat       Skin corrosion/irritation         Serious eye damage/irritation       Serious eye damage/irritation         Germ cell mutagenicity       Carcinogenicity         Carcinogenicity       Sodium [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]-6-(carboxylate (69-52-3)         IARC group       Reproductive toxicity         Specific target organ toxicity (single exposure)       Specific target organ toxicity (repeated exposure)	<ul> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>&gt; 5314 mg/kg</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>Not classified pH: 6 - 8.5 (Aqueous solution)</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>Not classified</li> <li>Not classified</li> <li>aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-</li> <li>3 - Not classified</li> <li>Not classified</li> </ul>

#### 12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential		
No additional information available		
12.4. Mobility in soil		
No additional information available		
12.5. Other adverse effects		
Effect on the global warming	: No known ecological damage caused by this product.	
SECTION 13: Disposal considera	tions	
13.1. Waste treatment methods		
Waste disposal recommendations	: Dispose of contents/container in accordance with local/regional/national/international regulations.	
SECTION 14: Transport informati	on	
Department of Transportation (DOT)		
In accordance with DOT		
Not a dangerous good as defined in transpo	rt regulations	
SECTION 15: Regulatory informa	tion	
15.1. US Federal regulations		
No additional information available		
15.2. US State regulations		
No additional information available		
SECTION 16: Other information		
Full text of H-phrases::		

	Resp. Sens. 1	Respiratory sensitisation Category 1
	Skin Sens. 1	Skin sensitization Category 1
	H317	May cause an allergic skin reaction
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product