

SAFETY DATA SHEET



Baycox coccidiocide solution

Version 0.0 Revision Date: 05.03.2021 SDS Number: 122000002407 Date of last issue: -
Date of first issue: 05.03.2021

P273 Avoid release to the environment.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Triethanolamine	102-71-6	>= 10 -< 30
Toltrazuril	69004-03-1	< 10

SECTION 4. FIRST AID MEASURES

General advice : Take off all contaminated clothing immediately.

If inhaled : Remove to fresh air.
Call a physician immediately.

In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.
If skin reactions occur, contact a physician.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : If swallowed, seek medical advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Fire may cause evolution of:
Hydrogen cyanide (hydrocyanic acid)
Nitrogen oxides (NOx)
Carbon oxides

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Specific extinguishing methods : Prevent fire extinguishing water from contaminating surface water or the ground water system.
Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Use with adequate ventilation.
Environmental precautions : Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleaning up : Suppress (knock down) gases/vapours/mists with a water spray jet.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Place in closed containers. Label for proper disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special protective measures against fire required.
Advice on safe handling : Industrial uses:
Avoid formation of aerosol.
Use with local exhaust ventilation.
Avoid contact with skin, eyes and clothing.
Hygiene measures : Cleanliness Guidelines (GMP) for manufacturing of drugs must be observed!
Conditions for safe storage : For storage suitable stores with adequate product-reception volume must be used.
During handling local official regulations must be observed in order to avert impairment of water by the product.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Triethanolamine	102-71-6	TWA	5 mg/m ³	AU OEL
		Further information: Sensitiser		
		TWA	5 mg/m ³	AU OEL
		Further information: Sensitiser		
		TWA	5 mg/m ³	ACGIH
		TWA	5 mg/m ³	ACGIH
Toltrazuril	69004-03-1	Bayer OES	0.163 mg/m ³	

Personal protective equipment

Respiratory protection : Recommended respiratory protection: full mask with filter ABEK-ST (ABEK-P3)

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Hand protection
Material : Hand protection: protective gloves for chemicals made of Baypren, nitrile rubber or PVC

Remarks : Breakthrough time not tested; dispose of immediately after contamination. Advice: The gloves should not be reused.

Eye protection : Safety glasses

Protective measures : No special safety precautions are required during handling of pharmaceuticals in their intended finished form (tablets or liquid formulations) by chemists, the hospital's medical staff or patients.
For the intake of ready for use pharmaceuticals or the external use on the skin please read the label and the package leaflet.
The personal protective equipment is applicable for the handling of bulk material without packaging and for incidents if an exposure by the active ingredient or hazardous components can be expected.
Wear suitable protective equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : colourless
Odour : weak
pH : 10 - 12
Concentration: 100 g/l

Solidification area : -50 - -10 °C
: No data available

Flash point : ca. 180 °C

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Density : 1.132 g/cm³ (20 °C)

Solubility(ies)
Water solubility : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

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Viscosity
 Viscosity, dynamic : No data available

 Viscosity, kinematic : No data available

Explosive properties : No data available
Oxidizing properties : No data available

Impact sensitivity : No data available

Minimum ignition energy : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available
Chemical stability : No data available
Possibility of hazardous reactions : No data available
Conditions to avoid : Heat
 Exposure to moisture
Incompatible materials : Oxidizing agents
Hazardous decomposition products : Hydrogen cyanide (hydrocyanic acid)
 Nitrogen oxides (NOx)
 Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): > 2,000 mg/kg
 Method: Calculation method

Components:

Triethanolamine:

Acute oral toxicity : LD50 (Rat): 7,200 mg/kg ca.
 Method: BASF-Test
 Assessment: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
 Method: OECD 402

Toltrazuril:

Acute oral toxicity : LD50 (Rat, female): 1,740 - 3,375 mg/kg

Acute dermal toxicity : LD50 (Rat, male): > 5,000 mg/kg

Skin corrosion/irritation

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Components:

Triethanolamine:

Species : Rabbit
Method : OECD 404
Result : No skin irritation

Toltrazuril:

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Triethanolamine:

Result : Irritating to eyes.
Assessment : Causes serious eye irritation.

Toltrazuril:

Species : Rabbit
Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Triethanolamine:

Species : Guinea pig
Method : OECD 406
Result : Does not cause skin sensitisation.

Toltrazuril:

Species : Guinea pig
Method : OECD 406
Result : Does not cause skin sensitisation.

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Components:

Triethanolamine:

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Genotoxicity in vitro : Remarks: Tests with bacteria and mammalian cells showed no evidence of genotoxic effects.

Test Type: Chromosome aberration test in vitro
Result: negative

Test Type: Ames test
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Components:

Triethanolamine:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

Triethanolamine:

General Information : Avoid repeated exposure.
Liver disorders
Kidney disorders

Further information

Components:

Triethanolamine:

Remarks : Ingestion of large quantities:
Vomiting
Diarrhoea
Dizziness
Tiredness
Circulatory collapse
Unconsciousness

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Components:

Triethanolamine:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 11,800 mg/l
Exposure time: 96 h

LC50 (Lepomis macrochirus (Bluegill sunfish)): 450 - 1,000 mg/l
Exposure time: 96 h

Toxicity to algae/aquatic plants : EC50 (Scenedesmus subspicatus): 512 mg/l
Method: DIN 38412
Remarks: Nominal concentration

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 16 mg/l
Exposure time: 21 d

Toxicity to microorganisms : EC50: > 1,000 mg/l
Exposure time: 3 h
Method: OECD 209
Remarks: Nominal concentration

EC50 (Pseudomonas putida): > 10,000 mg/l
Exposure time: 16 h

EC50 (Photobacterium phosphoreum): 525 mg/l
Exposure time: 0.5 h

Toxicity to terrestrial organisms : LC50 (Drosophila melanogaster (vinegar fly)): 49,950 mg/kg
Exposure time: 3 d

Ecotoxicology Assessment

Acute aquatic toxicity : slightly hazardous to water

Toltrazuril:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.44 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 2 mg/l
Exposure time: 48 h
Method: OECD 202

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Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 0.39 mg/l
Exposure time: 72 h

Persistence and degradability

Components:

Triethanolamine:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 90 - 100 %
Remarks: Readily biodegradable, according to appropriate OECD test.

Result: rapidly biodegradable
Biodegradation: 96 %
Method: OECD 301E

ThOD : 2,040 mg/g

Dissolved organic carbon (DOC) : 90 - 100 %
Method: OECD 301E

Stability in water : Method: Expert judgement
Remarks: not hydrolyzed.

Toltrazuril:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 0.3 %
Exposure time: 28 d
Method: OECD 301F

Bioaccumulative potential

Components:

Triethanolamine:

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 0.4
Exposure time: 42 d
Method: OECD 305
Remarks: Does not accumulate in organisms.

Partition coefficient: n-octanol/water : log Pow: -2.3 (25 °C)
Method: OECD 107

Toltrazuril:

Partition coefficient: n-octanol/water : log Pow: 4.18

Mobility in soil

No data available

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Other adverse effects

Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

Components:

Triethanolamine:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).
Remarks: Expert judgement

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging : Contaminated, empty containers are to be treated in the same way as the contents.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

No statements available.

Standard for the Uniform Scheduling of Medicines and Poisons : Schedule 5

Prohibition/Licensing Requirements : There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory

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tion, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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