



## SAFETY DATA SHEET

Colisure 98-13159-00, 98-13174-00, 98-27709-00

Document #: msds104-EN  
 Version: C  
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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name(s) Colisure  
 Product code(s) 98-13159-00, 98-13174-00, 98-27709-00  
 WCLS-20I, WCLS-200I, WCLS-100I  
 Identified uses Water microbiology

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 New Zealand +(64)-98010034  
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## 2. HAZARDS IDENTIFICATION

Not a hazardous substance or mixture according to GHS.  
 Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.  
 This substance is not classified as dangerous according to Directive 67/548/EEC.

Other hazards - none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	EC-No.	Index-No.	RTECS-No.	Concentration
Ammonium sulfate	7783-20-2	231-984-1	-	BS4500000	10 – 20%
Zinc sulfate	7446-20-0	231-793-3	030-006-00-9	ZH5300000	< 0.2%
Components that are not hazardous or do not need to be disclosed according to applicable regulations	-	-	-	-	> 80%

## 4. FIRST AID MEASURES

## Description of first aid measures

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
 IF SWALLOWED: Rinse mouth.

## Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Indication of any immediate medical attention and special treatment needed

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no data available

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**5. FIRE FIGHTING MEASURES****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, Sulfur oxides, Zinc oxides.

**Advice for firefighters**

Wear self contained breathing apparatus for firefighting if necessary.

**Further information**

The product itself does not burn.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required. Wash hands thoroughly after handling. Avoid dust formation.

**Environmental precautions**

Avoid release to the environment.

**Methods and materials for containment and cleaning up**

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

**Reference to other sections**

For disposal see section 13.

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**7. HANDLING AND STORAGE****Precautions for safe handling**

Use personal protective equipment as required. Wash hands thoroughly after handling. Avoid dust formation.

**Conditions for safe storage**

Store in a well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Specific end use**

Water microbiology.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters**

Contains no substances with occupational exposure limit values.

**Exposure controls**

Handle in accordance with good industrial hygiene and safety practice. Do not get in eye, on skin, or on clothing.

**Personal protective equipment**

Respiratory protection In case of inadequate ventilation, wear respiratory protection.

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Skin protection      Handle with gloves.  
Eye/face protection      Safety glasses.  
Body protection      Wear protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	powder
Color (Colour)	white
Odor (Odour)	no data available
Odor Threshold	no data available
pH	not applicable
Melting point	no data available
Initial boiling point	no data available
Flash point	not applicable
Evaporation rate	no data available
Flammability	not applicable
Upper/lower flammability or explosive limits	no data available
Vapor (Vapour) pressure	no data available
Vapor density	no data available
Relative density	no data available
Water solubility	soluble
Partition coefficient: n-octanol/water	no data available
Autoignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

**10. STABILITY AND REACTIVITY**

Reactivity	no data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Carbon oxides, Nitrogen oxides, Sulfur oxides, Zinc oxides.

**11. TOXICOLOGICAL INFORMATION****Ammonium sulfate**

Acute toxicity	no data available
Skin corrosion/irritation	Skin - rabbit - No skin irritation
Serious eye damage/eye irritation	Eyes – rabbit – No eye irritation
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	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.
Reproductive toxicity	no data available
Specific Target Organ Toxicity – Single Exposure	no data available
Specific Target Organ Toxicity – Repeated Exposure	no data available

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Aspiration hazard	no data available
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**Zinc sulfate**

Acute toxicity	LD50 Oral - rat - 2,150 mg/kg
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	Eyes - rabbit - Moderate eye irritation
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	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.
Reproductive toxicity	no data available
Specific Target Organ Toxicity – Single Exposure	no data available
Specific Target Organ Toxicity – Repeated Exposure	no data available
Aspiration hazard	no data available

**12. ECOLOGICAL INFORMATION****Ammonium sulfate**

Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 36.7 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - 433 mg/l - 50 h
Toxicity to algae	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Zinc sulfate**

Toxicity to fish	LC50 - other fish - 1 - 10 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

Dispose of contents in accordance with local/regional/national/international regulations.

**14. TRANSPORT INFORMATION**

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DOT (US) Not a dangerous good  
ADR/RID Not a dangerous good  
IMDG Not a dangerous good  
ICAO/IATA Not a dangerous good

### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
This safety datasheet complies with the requirements of Regulation OSHA 1910.1200.

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

**Ireland, Singapore, South Africa, United Kingdom**  
no data available

#### Australia

Component	Regulation	Information
Ammonium sulfate	Standard for the Uniform Scheduling of Medicines and Poisons	No data available
	Carcinogen classification under WHS Regulation 2011, Schedule 10	not listed
Zinc sulfate	Standard for the Uniform Scheduling of Medicines and Poisons	Schedule 6
	Carcinogen classification under WHS Regulation 2011, Schedule 10	not listed

#### Canada

Component	WHMIS
Ammonium sulfate	Not WHMIS controlled.
Zinc sulfate	D2B Toxic Material Causing Other Toxic Effects Moderate eye irritant.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### New Zealand

Component	HSNO
Ammonium sulfate	No data available
Zinc sulfate	HSNO Approval Code: HSR003279 HSNO Group Standard Approval: HSR002596 - Laboratory Chemicals and Reagent Kits Group Standard Tracking Required: not required Approved Handler Cert.: not required

#### United States

Component	Regulation	Information
Ammonium sulfate	SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
	SARA 313	The following components are subject to reporting levels established by SARA Title III, Section 313.
	SARA 311/312	No SARA Hazards
	California Prop. 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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Zinc sulfate	SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
	SARA 313	The following components are subject to reporting levels established by SARA Title III, Section 313.
	SARA 311/312	Acute Health Hazard, Chronic Health Hazard
	California Prop. 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**16. OTHER INFORMATION**

None