

# Safety data sheet Safety data sheet

acc. to Safe Work Australia - Code of Practice



## Potassium dicyanoaurate (I) , extra pure

article number: **3959**  
Version: **GHS 3.0 en**  
Replaces version of: 2022-07-18  
Version: (GHS 2)

date of compilation: 2019-05-28  
Revision: 2024-03-01

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Identification of the substance	<b>Potassium dicyanoaurate (I) , extra pure</b>
Article number	3959
CAS number	13967-50-5

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:	Laboratory chemical Laboratory and analytical use
Uses advised against:	Do not use for squirting or spraying. Do not use for products which come into contact with food-stuffs. Do not use for private purposes (household). Food, drink and animal feedingstuffs.

### 1.3 Details of the supplier of the safety data sheet

Carl Roth GmbH + Co. KG  
Schoemperlenstr. 3-5  
D-76185 Karlsruhe  
Germany

**Telephone:**+49 (0) 721 - 56 06 0  
**Telefax:** +49 (0) 721 - 56 06 149  
**e-mail:** sicherheit@carlroth.de  
**Website:** www.carlroth.de

Competent person responsible for the safety data sheet: Department Health, Safety and Environment

**e-mail (competent person):** [sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)

### 1.4 Emergency telephone number

Name	Street	Postal code/city	Telephone	Website
NSW Poisons Information Centre Childrens Hospital	Hawkesbury Road	2145 Westmead, NSW	131126	

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.16	Substance or mixture corrosive to metals	1	Met. Corr. 1	H290
3.10	Acute toxicity (oral)	2	Acute Tox. 2	H300
3.1D	Acute toxicity (dermal)	1	Acute Tox. 1	H310
3.1I	Acute toxicity (inhal.)	2	Acute Tox. 2	H330

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Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
3.2	Skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.4S	Skin sensitisation	1	Skin Sens. 1	H317

### Supplemental hazard information

Code	Supplemental hazard information
AUH032	contact with acids liberates very toxic gas

For full text of abbreviations: see SECTION 16

## 2.2 Label elements

### Labelling

#### Signal word

**Danger**

#### Pictograms

GHS05, GHS06



#### Hazard statements

H290 May be corrosive to metals  
H300+H310+H330 Fatal if swallowed, in contact with skin or if inhaled  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H318 Causes serious eye damage

#### Precautionary statements

##### Precautionary statements - prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray  
P262 Do not get in eyes, on skin, or on clothing  
P280 Wear protective gloves/protective clothing

##### Precautionary statements - response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P302+P352 IF ON SKIN: Wash with plenty of soap and water  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

##### Precautionary statements - storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed

#### Supplemental hazard information

AUH032 Contact with acids liberates very toxic gas.

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### 2.3 Other hazards

#### Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

#### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Name of substance	Potassium dicyanoaurate (I)
Molecular formula	$K[Au(CN)_2]$
Molar mass	288.1 $g/mol$
CAS No	13967-50-5

## SECTION 4: First aid measures

### 4.1 Description of first aid measures



#### General notes

Take off immediately all contaminated clothing. Self-protection of the first aider.

#### Following inhalation

Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration.

#### Following skin contact

Rinse skin with water/shower. After contact with skin, wash immediately with plenty of water. In case of skin reactions, consult a physician. In case of skin irritation, consult a physician.

#### Following eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### Following ingestion

Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Call a physician immediately.

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

Following inhalation: Irritation, Dyspnoea,  
After eye contact: Causes tears, Risk of serious damage to eyes, Risk of blindness,  
Following skin contact: Allergic reactions, Localised redness, oedema, pruritis and/or pain,  
Following ingestion: Choking and suffocation risks, Large doses may result in coma and death

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

In the case of bluish discoloration (lips, earlobes, finger nails) give oxygen as soon as possible. Sodium thiosulfate (in case of cyanide poisoning).

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media



##### Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings!  
water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

##### Unsuitable extinguishing media

water jet

#### 5.2 Special hazards arising from the substance or mixture

Non-combustible.

##### Hazardous combustion products

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Hydrogen cyanide (HCN, prussic acid)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus. Wear full chemical protective clothing.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures



##### For non-emergency personnel

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe dust.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

#### 6.3 Methods and material for containment and cleaning up

##### Advice on how to contain a spill

Covering of drains. Take up mechanically.

##### Advice on how to clean up a spill

Take up mechanically. Control of dust.

##### Other information relating to spills and releases

Place in appropriate containers for disposal.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use extractor hood (laboratory). Handle and open container with care. Avoid dust formation. Clear contaminated areas thoroughly. Handle under inert gas. Protect from moisture.

#### Measures to prevent fire as well as aerosol and dust generation

Removal of dust deposits.

#### Advice on general occupational hygiene

When using do not eat or drink. Thorough skin-cleansing after handling the product.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Hygroscopic. Keep under inert gas.

#### Incompatible substances or mixtures

Observe hints for combined storage.

#### Protect against external exposure, such as

humidity, contact with air/oxygen

#### Consideration of other advice:

Store locked up.

#### Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation.

#### Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

#### 7.3 Specific end use(s)

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### National limit values

##### Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [mg/m <sup>3</sup> ]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
AU	nuisance dusts		WES	10			i	WES

##### Notation

Ceiling-C  
i Ceiling value is a limit value above which exposure should not occur  
Inhalable fraction

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

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### Human health values

Relevant DNELs and other threshold levels				
Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
DNEL	0.071 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
DNEL	0.1 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

### Environmental values

Relevant PNECs and other threshold levels				
End-point	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	0.2 µg/l	aquatic organisms	freshwater	short-term (single instance)
PNEC	0.02 µg/l	aquatic organisms	marine water	short-term (single instance)
PNEC	6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
PNEC	0.33 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
PNEC	0.033 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
PNEC	0.067 mg/kg	terrestrial organisms	soil	short-term (single instance)

## 8.2 Exposure controls

### Individual protection measures (personal protective equipment)

#### Eye/face protection



Use safety goggle with side protection.

#### Skin protection



#### • hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a considerable reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

#### • type of material

NBR (Nitrile rubber)

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- **material thickness**

0,4 mm

- **breakthrough times of the glove material**

>480 minutes (permeation: level 6)

- **other protection measures**

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

### Respiratory protection



Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). Type: B-P2 (combined filters for acidic gases and particles, colour code: Grey/White).

### Environmental exposure controls

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	solid
Form	powder
Colour	white
Odour	odourless
Melting point/freezing point	383 °C (ECHA)
Boiling point or initial boiling point and boiling range	not determined
Flammability	non-combustible
Lower and upper explosion limit	not determined
Flash point	not applicable
Auto-ignition temperature	not determined
Decomposition temperature	383 °C
pH (value)	not applicable
Kinematic viscosity	not relevant
<u>Solubility(ies)</u>	
Water solubility	~ 140 g/l at 20 °C (ECHA)
<u>Partition coefficient</u>	
Partition coefficient n-octanol/water (log value):	not relevant (inorganic)
Vapour pressure	not determined

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### Density and/or relative density

Density	~ 3.45 g/cm <sup>3</sup>
Relative vapour density	Information on this property is not available.

Particle characteristics No data available.

### Other safety parameters

Oxidising properties none

## 9.2 Other information

Information with regard to physical hazard classes:

Corrosive to metals	category 1: corrosive to metals
Other safety characteristics:	There is no additional information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

It's a reactive substance. Substance or mixture corrosive to metals.

### 10.2 Chemical stability

Reactivity if exposed to air. Moisture-sensitive. Hygroscopic solid.

### 10.3 Possibility of hazardous reactions

**Violent reaction with:** Acids, Carbon dioxide (CO<sub>2</sub>), Mineral acids

### 10.4 Conditions to avoid

Contact with air/oxygen. Protect from moisture. Keep away from heat. Decomposition takes place from temperatures above: 383 °C.

### 10.5 Incompatible materials

different metals, aluminium, zinc, Tin

#### Release of toxic materials with

Acids. Carbon dioxide (CO<sub>2</sub>). => Hydrogen cyanide (HCN, prussic acid).

### 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Classification acc. to GHS

#### Acute toxicity

Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled.



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Acute toxicity					
Exposure route	Endpoint	Value	Species	Method	Source
oral	LD50	36.1 mg/kg	rat		ECHA
dermal	LD50	>2,000 mg/kg	rat		ECHA

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitisation

May cause an allergic skin reaction.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### Symptoms related to the physical, chemical and toxicological characteristics

#### • If swallowed

large doses may result in coma and death

#### • If in eyes

Causes serious eye damage, risk of blindness

#### • If inhaled

irritant effects, Dyspnoea

#### • If on skin

causes skin irritation, May produce an allergic reaction, pruritis, localised redness

#### • Other information

Other adverse effects: Cyanosis (blue coloured blood)

## 11.2 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

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### SECTION 12: Ecological information

#### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute)				
Endpoint	Value	Species	Source	Exposure time
LC50	12 mg/l	fish	ECHA	24 h
EC50	0.76 mg/l	aquatic invertebrates	ECHA	24 h
ErC50	30 mg/l	algae	ECHA	72 h

Aquatic toxicity (chronic)				
Endpoint	Value	Species	Source	Exposure time
EC50	406 mg/l	microorganisms	ECHA	3 h

#### 12.2 Persistence and degradability

Theoretical Oxygen Demand (without nitrification): 0.05553 mg/mg  
Theoretical Oxygen Demand (with nitrification): 0.2915 mg/mg  
Theoretical Carbon Dioxide: 0.3055 mg/mg

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

Data are not available.

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

#### 12.7 Other adverse effects

Data are not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods



This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Sewage disposal-relevant information

Do not empty into drains.

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### Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

### Relevant provisions relating to waste(Basel Convention)

#### Properties of waste which render it hazardous

**H6.1** Poisonous (Acute)

### 13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number

<b>UN RTDG</b>	UN 1588
IMDG-Code	UN 1588
ICAO-TI	UN 1588

### 14.2 UN proper shipping name

<b>UN RTDG</b>	CYANIDES, INORGANIC, SOLID, N.O.S.
IMDG-Code	CYANIDES, INORGANIC, SOLID, N.O.S.
ICAO-TI	Cyanides, inorganic, solid, n.o.s.
Technical name	Potassium dicyanoaurate (I)

### 14.3 Transport hazard class(es)

<b>UN RTDG</b>	6.1
IMDG-Code	6.1
ICAO-TI	6.1

### 14.4 Packing group

<b>UN RTDG</b>	I
IMDG-Code	I
ICAO-TI	I

### 14.5 Environmental hazards

hazardous to the aquatic environment

### 14.6 Special precautions for user

There is no additional information.

### 14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

### 14.8 Information for each of the UN Model Regulations

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### Transport information National regulations Additional information (UN RTDG)

<b>UN number</b>	1588
<b>Class</b>	6.1
<b>Environmental hazards</b>	Yes Hazardous to the aquatic environment
<b>Packing group</b>	I
<b>Danger label(s)</b>	6.1 Fish and tree



<b>Special provisions (SP)</b>	47, 274 UN RTDG
<b>Excepted quantities (EQ)</b>	E5 UN RTDG
<b>Limited quantities (LQ)</b>	0 UN RTDG
<b>Emergency Action Code</b>	2X

### International Maritime Dangerous Goods Code (IMDG) - Additional information

Proper shipping name	CYANIDES, INORGANIC, SOLID, N.O.S.
Particulars in the shipper's declaration	UN1588, CYANIDES, INORGANIC, SOLID, N.O.S., (Potassium dicyanoaurate (I)), 6.1, I, MARINE POLLUTANT
Marine pollutant	yes (P) (hazardous to the aquatic environment)
Danger label(s)	6.1, "Fish and tree"



Special provisions (SP)	47, 274
Excepted quantities (EQ)	E5
Limited quantities (LQ)	0
EmS	F-A, S-A
Stowage category	A
Segregation group	6 - Cyanides

### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Proper shipping name	Cyanides, inorganic, solid, n.o.s.
Particulars in the shipper's declaration	UN1588, Cyanides, inorganic, solid, n.o.s., (Potassium dicyanoaurate (I)), 6.1, I
Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	6.1



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Special provisions (SP)	A3, A13
Excepted quantities (EQ)	E5

### SECTION 15: Regulatory information

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

There is no additional information.

##### National regulations(Australia)

##### Australian Inventory of Chemical Substances(AICS)

Substance is listed.

##### Other information

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

##### National inventories

Country	Inventory	Status
AU	AIIC	substance is listed
CA	DSL	substance is listed
CN	IECSC	substance is listed
EU	ECSI	substance is listed
EU	REACH Reg.	substance is listed
JP	CSCL-ENCS	substance is listed
KR	KECI	substance is listed
NZ	NZIoC	substance is listed
PH	PICCS	substance is listed
TW	TCSI	substance is listed
US	TSCA	substance is listed (ACTIVE)
VN	NCI	substance is listed

##### Legend

AIIC	Australian Inventory of Industrial Chemicals
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
KECI	Korea Existing Chemicals Inventory
NCI	National Chemical Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

#### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

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### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.1		Supplemental hazard information: change in the listing (table)	yes
2.2		Supplemental hazard information	yes
2.2		Supplemental hazard information: change in the listing (table)	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .	yes
14.1	UN RTDG: UN 3290	UN RTDG: UN 1588	yes
14.1	IMDG-Code: UN 3290	IMDG-Code: UN 1588	yes
14.1	ICAO-TI: UN 3290	ICAO-TI: UN 1588	yes
14.2	UN RTDG: TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	UN RTDG: CYANIDES, INORGANIC, SOLID, N.O.S.	yes
14.2	IMDG-Code: TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	IMDG-Code: CYANIDES, INORGANIC, SOLID, N.O.S.	yes
14.2	ICAO-TI: Toxic solid, corrosive, inorganic, n.o.s.	ICAO-TI: Cyanides, inorganic, solid, n.o.s.	yes
14.3	UN RTDG: 6.1 (8)	UN RTDG: 6.1	yes
14.3	IMDG-Code: 6.1 (8)	IMDG-Code: 6.1	yes
14.3	ICAO-TI: 6.1 (8)	ICAO-TI: 6.1	yes
14.8	UN number: 3290	UN number: 1588	yes
14.8	Subsidiary risk(s): 8		yes
14.8	Danger label(s): 6.1+8 Fish and tree	Danger label(s): 6.1 Fish and tree	yes
14.8		Danger label(s): change in the listing (table)	yes
14.8	Special provisions (SP): 274 UN RTDG	Special provisions (SP): 47, 274 UN RTDG	yes
14.8		Emergency Action Code: 2X	yes
14.8	Proper shipping name: TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	Proper shipping name: CYANIDES, INORGANIC, SOLID, N.O.S.	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.8	Particulars in the shipper's declaration: UN3290, TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S., (Potassium dicyanoaurate (I)), 6.1 (8), I, MARINE POLLUTANT	Particulars in the shipper's declaration: UN1588, CYANIDES, INORGANIC, SOLID, N.O.S., (Potassium dicyanoaurate (I)), 6.1, I, MARINE POLLUTANT	yes
14.8	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (P) (hazardous to the aquatic environment)	yes
14.8	Danger label(s): 6.1+8, "Fish and tree"	Danger label(s): 6.1, "Fish and tree"	yes
14.8		Danger label(s): change in the listing (table)	yes
14.8	Special provisions (SP): 274	Special provisions (SP): 47, 274	yes
14.8	EmS: F-A, S-B	EmS: F-A, S-A	yes
14.8	Stowage category: B	Stowage category: A	yes
14.8		Segregation group: 6 - Cyanides	yes
14.8	Proper shipping name: Toxic solid, corrosive, inorganic, n.o.s.	Proper shipping name: Cyanides, inorganic, solid, n.o.s.	yes
14.8	Particulars in the shipper's declaration: UN3290, Toxic solid, corrosive, inorganic, n.o.s., (Potassium dicyanoaurate (I)), 6.1 (8), I	Particulars in the shipper's declaration: UN1588, Cyanides, inorganic, solid, n.o.s., (Potassium dicyanoaurate (I)), 6.1, I	yes
14.8	Danger label(s): 6.1+8	Danger label(s): 6.1	yes
14.8		Danger label(s): change in the listing (table)	yes
14.8	Special provisions (SP): A5	Special provisions (SP): A3, A13	yes
15.1		National inventories: change in the listing (table)	yes

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule

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Abbr.	Descriptions of used abbreviations
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
STEL	Short-term exposure limit
TWA	Time-weighted average
UN RTDG	UN Recommendations on the Transport of Dangerous Good
vPvB	Very Persistent and very Bioaccumulative
WES	Safe Work Australia: Workplace exposure standards for airborne contaminants

### Key literature references and sources for data

Safe Work Australia's Code of Practice for Labelling of Workplace Hazardous Chemicals (under WHS Regulations).

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H290	May be corrosive to metals.
H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.



# Safety data sheet Safety data sheet

acc. to Safe Work Australia - Code of Practice



## Potassium dicyanoaurate (I) , extra pure

article number: **3959**

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### **Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.