

Revision: 2.0
(Replaces revision 1.1 of 16 April 2021)Revision date: 21 April 2021
Date printed: 12 August 2023**Section 1. Identification****1.1 Product Identifier** 0987Product Name COBALT (II) CARBONATE BASIC
CAS Number 513-79-1
REACH Registration No 01-2119513233-54-XXXX**1.2 Relevant identified uses of the substance or mixture & uses advised against**

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

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(Have this document to hand)**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Respiratory sensitization, category 1

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization, category 1

H317: May cause an allergic skin reaction.

Germ cell mutagenicity, category 2

H341: Suspected of causing genetic defects.

Carcinogenicity, category 1B

H350: May cause cancer.

Reproductive toxicity, category 1B

H360: May damage fertility or the unborn child.

Hazard to aquatic environment, category 1

H400: Very toxic to aquatic life.

Hazard to aquatic environment, category 1

H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements**Labelling according to regulation 1272/2008/EC**

Signal word Danger

Hazard Pictograms



Hazard Statements May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing genetic defects. May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life with long lasting effects.

Precautionary Statements Obtain special instructions before use. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection. IF exposed or concerned: Get medical advice/attention.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Cobalt (ii) carbonate basic	513-79-1	208-169-4	01-2119513233-54-XXXX	99.5%	Resp. Sens. 1, Skin Sens. 1, Muta. 2, Carc. 1B, Repr. 1B, Aquatic Acute 1, Aquatic Chronic 1

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Flush with water for at least 15 minutes and contact physician.
Skin	Thoroughly wash off skin with soap and water. OBTAIN MEDICAL ATTENTION.
Inhalation	Remove from exposure. Keep warm and at rest. Contact physician if condition persists.
Ingestion	If conscious wash out mouth with water. If large quantities are ingested seek medical attention.
Personal protection for first aiders	Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Consider what other flammable materials are present and act accordingly.
Unsuitable Media	Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards	Presents no specific fire danger.
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5.3 Advice for firefighters

Advice for firefighters	Consider all other materials in the vicinity.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Avoid breathing dust.
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6.2 Environmental precautions

Environmental	Keep material out of sewers, storm drains, surface waters and soil.
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6.3 Methods and material for containment and cleaning up

- Major Spillage Sweep up and transfer to a suitable container for disposal. Wash area down with copious amounts of water.
- Minor Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Keep containers closed when not in use.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits	
			Long Term (8hr TWA)	Short Term 15min period
Cobalt (ii) carbonate basic	513-79-1	99.5%	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

- Respiratory Protection Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum.
- Hand Protection Wear gloves.
- Eye Protection Use safety glasses with side shields.
- Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.
- Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

- Appearance Light purple powder
- Odour Odourless.
- pH Not applicable
- Boiling Point Not applicable
- Melting Point Not applicable
- Flash Point Not applicable
- Upper Flammable Limit Not applicable
- Lower Flammable Limit Not applicable
- Auto Ignition Not applicable
- Explosive Properties No.
- Oxidising Properties No.
- Vapour Pressure Not applicable
- Relative Density 4.1300
- Water Solubility Insoluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1	Reactivity	No data available.
10.2	Chemical Stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	No data available.
10.4	Conditions to Avoid	No specific conditions.
10.5	Incompatible Materials	Strong oxidising agents.
10.6	Hazardous Decomposition Products	Burning will produce smoke, carbon monoxide and/or carbon dioxide. Metal oxide.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Contact with the solid or dust will be irritating to the eyes.
Skin	Contact with the solid or dust will be irritating to the skin. May cause skin sensitisation.
LD50 Skin	Not available
LD50 Oral	640mg/kg Rat
Inhalation	Causes respiratory tract irritation.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	Cobalt compounds can be regarded as potential carcinogens.
Mutagenicity	May be a mutagen.
Reproductive Effects	Evidence of reproductive effects.

Section 12. Ecological

12.1	Toxicity	Toxic to aquatic organisms. Very toxic to fish.
	LC50 Algal	Not available
	LC50 Crustacea	Not available
	LC50 Fish	Not available
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	No data available.
12.4	Mobility in soil	No data available.
12.5	Results of PBT & vPvB assessment	Assessment not required.
12.6	Other adverse effects	None known at present.

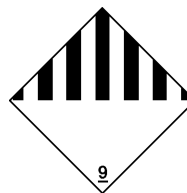
Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated Packaging	Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Section 14. Transport Information

14.1 UN Number	3077
14.2 Proper Shipping Name	Environmentally hazardous substance, solid, N.O.S. (Cobalt (II) Carbonate Basic)
14.3 Transport classes	
UN classification	9
Subsidiary hazard(s)	None
Transport category	3
ADR Hazard ID	90
Tunnel Restriction Code	E
Single packs and combination packages containing inner packs of up to 5L or 5Kg are excluded from regulation (ADR 2.2.9.1.10, IMDG code 2.10.3).	
14.4 Packing Group	III
14.5 Environment hazards	Marine pollutant.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.



Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification	Respiratory sensitization, category 1; Skin sensitization, category 1; Germ cell mutagenicity, category 2; Carcinogenicity, category 1B; Reproductive toxicity, category 1B; Hazard to aquatic environment, category 1; Hazard to aquatic environment, category 1
Signal word	Danger
Hazard Pictograms	
Hazard Statements	H334, H317, H341, H350, H360, H410 May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing genetic defects. May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life with long lasting effects.
Precautionary Statements	P201, P273, P280, P308+P313 Obtain special instructions before use. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection. IF exposed or concerned: Get medical advice/attention.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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