



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

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MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

COBALT(II)CARBONATE

CAS-No.: 12602-23-2 MSDS

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

1.1.

Product identifier

Product : COBALT (II) CARBONATE

CAS-No. : 12602-23-2

1.2.

: Substance

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

1.2.1.

Relevant identified uses

Industrial/Professional use spec

1.2.2.

Uses advised against

No additional information available

SECTION 2: Hazards identification

2.1.

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40

Muta.Cat.3; R68

Xn; R22

Xi; R36/37/38

R43

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2.

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

No labelling applicable

2.3.

Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1.

Substances

Name

CAS-No.

: COBALT(II)CARBONATE (BASIC) EXTRA PURE

: 12602-23-2

Full text of R- and H-statements: see section 16

3.2.

Mixtures

Not applicable

SECTION 4: First aid measures

4.1.

Description of first aid measures

First-aid measures after inhalation

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

4.2.

: Remove person to fresh air and keep comfortable for breathing.

: Wash with plenty of water/....

: Rinse immediately with plenty of water.

: Rinse mouth.

Most important symptoms and effects, both acute and delayed

No additional information available

4.3.

Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1.

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

5.2.

: Carbon dioxide. Dry powder. Foam. Water spray.

: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

No additional information available

5.3.



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Advice for firefighters

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid dust formation.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid



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Molecular mass : 118.94 g/mol

Colour : Pale purple.

Odour : odourless.

COBALT(II)CARBONATE (BASIC) EXTRA PURE

Safety Data Sheet

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Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 4.13 g/cm³

Solubility : Water: Insoluble in water

Log Pow : No data available

Viscosity, kinematic : No data available

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Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : 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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Air contact. Direct sunlight. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

COBALT(II)CARBONATE (BASIC) EXTRA PURE

Safety Data Sheet

SECTION 11: Toxicological information

11.1.

Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

STOT-single exposure

STOT-repeated exposure

Aspiration hazard

Potential adverse human health effects

and symptoms



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SECTION 12: Ecological information

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Harmful if swallowed.

12.1.

Toxicity

No additional information available

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.

Results of PBT and vPvB assessment

No additional information available

12.6.

Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal
recommendations

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

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UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6.

Special precautions for user- Overland transport

No data available- Transport by sea

No data available- Air transport

No data available- Inland waterway transport

No data available- Rail transport

No data available

14.7.

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

Not applicable

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SECTION 15: Regulatory information

15.1.

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

COBALT(II)CARBONATE (BASIC) EXTRA PURE is not on the REACH Candidate List

COBALT(II)CARBONATE (BASIC) EXTRA PURE is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

Netherlands

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen

: The substance is not listed

NIET-limitatieve lijst van voor de
voortplanting giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen –

Vruchtbaarheid

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Ontwikkeling

Denmark

Recommendations Danish Regulation

: The substance is not listed

: The substance is not listed

: The substance is not listed

: Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct
contact with the product

The requirements from the Danish Working Environment Authorities regarding work
with carcinogens must be followed during use and disposal

15.2.

Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

R22

Harmful if swallowed

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R36/37/38

R40

R43

R68

Irritating to eyes, respiratory system and skin

Limited evidence of a carcinogenic effect

May cause sensitisation by skin contact

Possible risk of irreversible effects

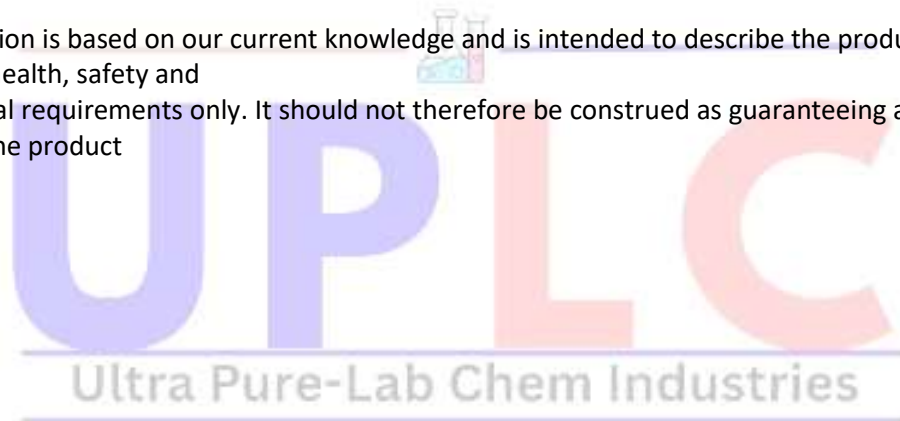
Xi

Xn

Irritant

Harmful

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



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