# Cobalt Carbonate

## SECTION I - MATERIAL IDENTIFICATION

**PRODUCT NAME**: Cobalt Carbonate

**MANUFACTURER'S NAME**: Outokumpu Co., Cobalt Plant

**ADDRESS**: P.O. Box 126, SF-67101 Kokkola, Finland

**CAS number**: 513-79-1

**CHEMICAL NAME**: Cobalt Carbonate

**CHEMICAL FORMULA**: CoCO₃

**PHYSICAL FORM**: Inorganic metallic salt

## SECTION II - COMPOSITION AND TOXICITY DATA

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>%</th>
<th>TLV (units)</th>
<th>TOXICITY DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt Carbonate</td>
<td>&gt;99</td>
<td>0.1 mg/m³</td>
<td>LD₅₀ = 630 mg/kg as Co (oral, rat)</td>
</tr>
</tbody>
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## SECTION III - PHYSICAL DATA

- **Boiling Point**: Not reported
- **Vapor Pressure**: Not reported
- **Solubility in Water**: Insoluble
- **Decomposes**: Not reported
- **Appearance and Odor**: Pink powder, no odor

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

- **Flammable Point**: Not reported
- **Flammable Limits**: Not reported
- **Extinguishing Media**: Dry chemical, CO₂, water
- **Special Firefighting Procedures**: Not a fire-hazard, wear self-contained breathing apparatus when large quantities involved.
- **Unusual Fire and Explosion Hazards**: None expected.

**Hazardous Products of Combustion**: None reported.
EFFECTS OF OVEREXPOSURE

INHALATION
Irritating to respiratory system and may cause allergic reaction.

INGESTION
Harmful if swallowed.

EYES
Irritating to eyes.

SKIN
Irritating to skin. May produce allergic reaction.

EMERGENCY AND FIRST AID PROCEDURES

In case of skin or eye contact wash thoroughly with clean water.
If irritation occurs, contact a physician.
In case of ingestion and if conscious, induce vomiting. Contact a physician.
In case of inhalation, remove from exposure. If necessary, give oxygen, contact physician.

SECTION VI - REACTIVITY DATA

STABILITY
UNSTABLE
STABLE

CONDITIONS TO AVOID
X

HARMFUL MATERIALS TO AVOID
None expected.

Hazardous Decomposition Products
Toxic fumes and metal oxides may be present during decomposition.

CAN HAZARDOUS POLYMERIZATION OCCUR
No

SECTION VII - SPILL LEAK, AND DISPOSAL PROCEDURES

Steps to be taken in case material is released or spilled
Contain the spill, pick up the spill in a container for disposal.

Dispose in accordance with Federal, State, and Local laws.

SECTION VIII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION DEVICE TYPE
Dust Respirator

PROTECTIVE GLOVES
Rubber or impervious coating

EYE PROTECTION
Goggles

VENTILATION
LOCAL EXHAUST
MECHANICAL EXHAUST
X

OTHER PROTECTIVE EQUIPMENT
Not necessary

SECTION IX - HANDLING AND STORAGE PRECAUTIONS

Precautions to be taken in handling and storage
a) To be stored in normal dry warehouses.

b) Avoid contact with skin and eyes. Avoid breathing the dust.
Use with adequate ventilation.
If necessary, use an approved respirator for dust, gloves, and safety glasses.

DATE OF ISSUE
September 25th, 1986

ISSUED BY
OUTOKUMPU OY

FOR FURTHER INFORMATION CONTACT
Outokumpu Oy, Cobalt Plant, Kokkola, Finland

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