



LASA LABORATORY PVT. LIMITED

MATERIAL SAFETY DATA SHEET COBALT CARBONATE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Cobalt (II) Carbonate
Synonym: Cobalt carbonate.
Company: AboutChem.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

| CAS# | Chemical Name | % | EINECS# |
|----------|-----------------------|-------|-----------|
| 513-79-1 | Cobalt (II) Carbonate | 100 % | 208-169-4 |

Hazard Symbols: T

Risk Phrases: 22 42/43 49

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful if swallowed. May cause sensitization by inhalation and skin contact. May cause cancer by inhalation. The toxicological properties of this material have not been fully investigated.

Potential Health Effects Eye:

Causes eye irritation. Skin:

Causes skin irritation.

Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation: Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: May cause fetal effects.

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid. Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Notes to Physician:

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SECTION 5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Reduce airborne dust and prevent scattering by moistening with water. Clean up spills immediately, observing precautions in the Protective Equipment section.

SECTION 7 - HANDLING and STORAGE

Handling: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits CAS# 12602-23-2: United Kingdom, WEL - TWA: (listed as cobalt compounds): 0.1 mg/m TWA (as Co), United Kingdom, WEL - STEL: (listed as cobalt compounds): 0.3 mg/STEL (as Co)

Japan: (listed as cobalt compounds): 0.05 mg/m³ OEL (as Co) Malaysia: (listed as cobalt, inorganic compounds): 0.02 mg/m³ TWA Co) Spain: (listed as cobalt, inorganic compounds): 0.02 mg/m³ VLA-ED Co)

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing:

Wear appropriate protective clothing to prevent skin exposure. Respirators:

Follow the OSHA respirator regulations found in 29

CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved

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respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Color: pink
Odor: None reported.
Freezing/Melting Point: Not available.
Autoignition Temperature: Not applicable.
Flash Point: Not applicable.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature: Not available.
Solubility in water: Insoluble in water.
Specific Gravity/Density: Not available.
Molecular Formula: C₂H₆Co₅O₁₂
Molecular Weight: 516.7008

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, dust generation.
Incompatibilities with Other Materials:
Strong oxidizers.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide, oxides of cobalt.
Hazardous Polymerization: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 12602-23-2: GF9610000
LD50/LC50:
Not available.
Carcinogenicity:
Cobalt (II) Carbonate -
Not listed by ACGIH, IARC, or NTP.
Other:
See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

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SECTION 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name: TOXIC SOLID, INORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 3288

Packing Group: III

IMO

Shipping Name: TOXIC SOLID, INORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 3288

Packing Group: III

RID/ADR

Shipping Name: TOXIC SOLID, INORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 3288

Packing group: III

SECTION 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 49 May cause cancer by inhalation. R

22 Harmful if swallowed.

R 42/43 May cause sensitization by inhalation and skin contact.

Safety Phrases:

S 22 Do not breathe dust.

S 24 Avoid contact with skin.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28 After contact with skin, wash immediately with...

S 37 Wear suitable gloves. WGK

(Water Danger/Protection)

CAS# 12602-23-2: No information available.

Canada

CAS# 12602-23-2 is listed on Canada's DSL List.

CAS# 12602-23-2 is not listed on Canada's Ingredient Disclosure List. US

FEDERAL

TSCA

CAS# 12602-23-2 is listed on the TSCA inventory.

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SECTION 16 - ADDITIONAL INFORMATION

This document is intended only as a guide to the appropriate precautionary handling of material by a person trained in chemical handling. The user is responsible for determining the precautions & dangers of this chemical for his or her particular application depending on usage. Adequate protective clothing, including eye / face guards, approved respirators must be used to avoid contact with the material or breathing chemical vapours / fumes.

Exposure to this product may cause adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, m/s. Omkar speciality chemicals ltd. Cannot warn of all of the potential dangers of use or interaction with chemicals of materials. M/s. Omkar speciality chemicals ltd. Warrants that, the chemical meets the specifications set forth on the test report.

M/s. Omkar speciality chemicals ltd. Disclaims any other warranties expressed or implied with regard to the product supplied hereunder its merchantability or its fitness for a particular purpose.

The user should recognize that, this product can cause severe injury, especially if improperly handled or the known dangers of use are not heeded.

Read all precautionary informations.
