

## Nickel(II) Carbonate Basic

### Section 1 - Chemical Product and Company Identification

TRADE NAMES : Nickel(II) Carbonate Basic

Recommended use : Not available

Restriction of use : Not available

Company Identification

Company : OCI Company Ltd.

Address : 94, Sogong-ro, Jung-gu, Seoul, KOREA

Tel No. : 82 - 2 - 727 - 9494

### Section 2 - Hazards Identification

- 1) Hazard Classification
- Acute toxicity (oral) : 4
  - Carcinogenicity, Inhalation : 1A
  - Serious eye damage / Eye irritation : 2
  - Skin irritation : 2

2) Warning signal

Symbol



Signal word

Danger

Hazard statement

H302 Harmful if swallowed  
H319 Causes serious eye irritation  
H350 May cause cancer by inhalation  
H372 Causes damage to organs through prolonged or repeated exposure

Prevention precautionary statements

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash thoroughly after handling  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if You feel unwell.

P330 Rinse mouth.  
P405 Store locked up.  
P501 Dispose of contents/container to the related laws.

3) NFPA

Health Rating	Not available
Flammability Rating	Not available
Reactivity Rating	Not available

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### Section 3 - Composition, Information on Ingredients

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COMPONENT: Nickel(II) Carbonate Basic

CAS No.: 39430-27-8

PERCENTAGE: > 80%

COMPONENT: Water

CAS No.: 7732-18-5

PERCENTAGE: <20%

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### Section 4 - First Aid Measures

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**General information:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**Ingestion:** Clean mouth with water. Get medical attention..

**Inhalation:** Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

**Skin Contact:** Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Most important symptoms/effects, acute and delayed**

The most important known symptoms and effects are described in the labeling and/or in section 11.

**Indication of immediate medical attention and special treatment needed**

No data available

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### Section 5 - Fire Fighting Measures

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**Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides, Nickel/nickel oxides

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available

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### Section 6 - Accidental Release Measures

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**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and material for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## Section 7 - Handling and Storage

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**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

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## Section 8 - Exposure Controls, Personal Protection

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### Control Parameters

#### Occupational Exposure Limits

Fume. TWA 0.2 mg/m<sup>3</sup>

**Appropriate Engineering Controls** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Individual protection measures, such as personal protective equipment**

**Eye Protection** Goggles

**Hand Protection** Protective gloves

**Skin and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure

**Respiratory Protection** A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls** No information available.

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## Section 9 - Physical and Chemical Properties

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Physical state: Solid

Color: light green

Odor: Odorless

pH: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash Point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): Not applicable

Upper/lower limit on flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: No data available

Solubility: Insoluble (as Water)

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: 230 °C

Viscosity: No data available

Molecular weight: 376.26 g/mol (CH<sub>4</sub>Ni<sub>3</sub>O<sub>7</sub>·4H<sub>2</sub>O)

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## Section 10 - Stability and Reactivity

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**Reactivity:** No data available

**Chemical Stability:** Stable under recommended storage conditions..

**Possibility of Hazardous Reactions:** No data available

**Conditions to Avoid:** Heat, flames and sparks

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nickel oxides..

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## Section 11 - Toxicological Information

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### Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - female - 840 mg/kg([Carbonato(2-)]tetrahydroxytrinickel hydrate)  
(OECD Test Guideline 401)

#### Skin corrosion/irritation

No data available([Carbonato(2-)]tetrahydroxytrinickel hydrate)

#### Serious eye damage/eye irritation

Eyes - Rabbit([Carbonato(2-)]tetrahydroxytrinickel hydrate)

Result: Moderate eye irritation

(OECD Test Guideline 405)

#### Respiratory or skin sensitisation

#### Germ cell mutagenicity

No data available([Carbonato(2-)]tetrahydroxytrinickel hydrate)

#### Carcinogenicity

This product is or contains a component that has been reported to be possi classification.([Carbonato(2-)]tetrahydroxytrinickel hydrate)

([Carbonato(2-)]tetrahydroxytrinickel hydrate)

([Carbonato(2-)]tetrahydroxytrinickel hydrate)

IARC: 1 - Group 1: Carcinogenic to humans ([Carbonato(2-)]tetrahydroxytrinickel hydrate)

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#### Reproductive toxicity

Presumed human reproductive toxicant([Carbonato(2-)]tetrahydroxytrinickel hydrate)

#### Specific target organ toxicity - single exposure

No data available([Carbonato(2-)]tetrahydroxytrinickel hydrate)

#### Specific target organ toxicity - repeated exposure

Inhalation - Causes damage to organs through prolonged or repeated exposure.

#### Aspiration hazard

No data available([Carbonato(2-)]tetrahydroxytrinickel hydrate)

**Other Effects:** None known.

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## Section 12 - Ecological Information

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### Toxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available([Carbonato(2-)]tetrahydroxytrinickel hydrate)

### Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Other adverse effects

Very toxic to aquatic life with long lasting effects.

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### Section 13 - Disposal Considerations

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**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

**Contaminated Packaging:** Empty containers should be taken to local recyclers for disposal.

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### Section 14 - Transport Information

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UN number : Not regulated

Proper shipping name : Not applicable

Hazard class : Not applicable

Packing group : Not applicable

Marine Pollutant: No data available

Safety measures : Not applicable

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### Section 15 - Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

For this product a chemical safety assessment was not carried out

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**AICS** - Inventory of Chemical Substances

**KECL** - Existing and Evaluated Chemical Substances

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### Section 16 - Other Information

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Sources : KOSHA, National Emergency Management Agency

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