

CAS No: 39430-27-8 MSDS

## MATERIAL SAFETY DATA SHEET (MSDS)

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

## 1.1. Product identifier

Product form : Substance  
:  
CAS No : 39430-27-8  
Product code : 04870

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

## 1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

## 1.2.2. Uses advised against

No additional information available

## 1.3. Details of the supplier of the safety data sheet

LOBA CHEMIE PVT.LTD.  
107 Wode House Road, Jehangir Villa, Colaba  
400005 Mumbai - INDIA  
T +91 22 6663 6663 - F +91 22 6663 6699  
[info@lobachemie.com](mailto:info@lobachemie.com) - [www.lobachemie.com](http://www.lobachemie.com)

## 1.4. Emergency telephone number

Emergency number : + 91 22 6663 6663 (9:00am - 6:00 pm)

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302  
Acute toxicity (inhal.), Category 4 H332  
Skin corrosion/irritation, Category 2 H315  
Sensitisation — Skin, category 1 H317  
Germ cell mutagenicity, Category 2 H341  
Carcinogenicity (inhalation) Category 1A H350i  
Reproductive toxicity, Category 1B H360D  
Specific target organ toxicity — Repeated exposure, Category 1 H372  
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

Full text of classification categories and H statements : see section 16

### Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.1; R49

Muta.Cat.3; R68

Repr.Cat.1; R61

T; R48/23

Xn; R20/22

R42

Xi; R38

R43

N; R50/53

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]

Hazard pictograms (CLP) :



GHS07

GHS08

GHS09

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H302+H332 - Harmful if swallowed or if inhaled

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H341 - Suspected of causing genetic defects

H350i - May cause cancer by inhalation

H360D - May damage the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure

H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P201 - Obtain special instructions before use

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308+P313 - IF exposed or concerned: Get medical advice/attention

P501 - Dispose of contents/container to ...

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Name : NICKEL CARBONATE Extra Pure

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

CAS No : 39430-27-8

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

### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label). If skin irritation or rash occurs: Gently wash with plenty of soap and water.
- First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.
- First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

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

- Symptoms/injuries : May cause an allergic skin reaction. Suspected of causing genetic defects. Causes damage to organs through prolonged or repeated exposure.
- Symptoms/injuries after inhalation : Harmful if inhaled. May cause cancer by inhalation.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after ingestion : Harmful if swallowed.
- Chronic symptoms : May damage the unborn child.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment.

## 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 : Avoid breathing dust/fume/gas/mist/vapours/spray.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Very toxic to aquatic life with long lasting effects.

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clear up rapidly by scoop or vacuum.

### 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 breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust/fume/gas/mist/vapours/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry 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

Personal protective equipment : Wash ... thoroughly after handling.

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

Other information : Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Colour : Light green powder.

Odour : odourless.

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

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

|                                  |                           |
|----------------------------------|---------------------------|
| 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                          | : 2.6 g/cm <sup>3</sup>   |
| Solubility                       | : Water: Soluble in water |
| Log Pow                          | : No data available       |
| Viscosity, kinematic             | : No data available       |
| 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

Direct sunlight. Air contact. Moisture.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Inhalation: Harmful if inhaled.

Skin corrosion/irritation : Causes skin irritation.

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

|   |   |
|---|---|
| Serious eye damage/irritation                       | : Not classified  |
| Respiratory or skin sensitisation                   | : May cause an allergic skin reaction.                            |
| Germ cell mutagenicity                              | : Suspected of causing genetic defects.                           |
| Carcinogenicity                                     | : May cause cancer by inhalation.                                 |
| Reproductive toxicity                               | : May damage the unborn child.                                    |
| Specific target organ toxicity (single exposure)    | : Not classified  |
| Specific target organ toxicity (repeated exposure)  | : Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard                                   | : Not classified  |
| Potential adverse human health effects and symptoms | : Harmful if swallowed.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

#### NICKEL CARBONATE Extra Pure (39430-27-8)

|                               |   |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

### 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 ...

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

### SECTION 14: Transport information

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

#### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 3077 |
| UN-No. (IMDG) | : 3077 |
| UN-No.(IATA)  | : 3077 |
| UN-No.(ADN)   | : 3077 |
| UN-No. (RID)  | : 3077 |

#### 14.2. UN proper shipping name

|                                       |  |
|---------------------------------------|--|
| Proper Shipping Name (ADR)            | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                   |
| Proper Shipping Name (IMDG)           | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                   |
| Proper Shipping Name (IATA)           | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                   |
| Proper Shipping Name (ADN)            | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                   |
| Proper Shipping Name (RID)            | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                   |
| Transport document description (ADR)  | : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, (E)              |
| Transport document description (IMDG) | : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT |
| Transport document description (IATA) | : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III                   |
| Transport document description (ADN)  | : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III                   |
| Transport document description (RID)  | : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III                   |

#### 14.3. Transport hazard class(es)

##### ADR

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADR) | : 9 |
| Danger labels (ADR)              | : 9 |



##### IMDG

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 9 |
| Danger labels (IMDG)              | : 9 |



##### IATA

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IATA) | : 9 |
| Hazard labels (IATA)              | : 9 |

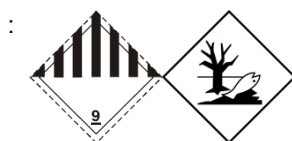


##### ADN

# NICKEL CARBONATE Extra Pure

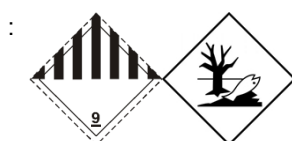
## Safety Data Sheet

Transport hazard class(es) (ADN) : 9  
Danger labels (ADN) : 9



### RID

Transport hazard class(es) (RID) : 9  
Danger labels (RID) : 9



### 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : III  
Packing group (IATA) : III  
Packing group (ADN) : III  
Packing group (RID) : III

### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

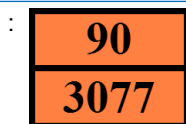
Classification code (ADR) : M7  
Special provision (ADR) : 274, 335, 601, 375  
Limited quantities (ADR) : 5kg  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P002, IBC08, LP02, R001  
Special packing provisions (ADR) : PP12, B3  
Mixed packing provisions (ADR) : MP10  
Portable tank and bulk container instructions (ADR) : T1, BK1, BK2  
Portable tank and bulk container special provisions (ADR) : TP33  
Tank code (ADR) : SGAV, LGBV  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V13  
Special provisions for carriage - Bulk (ADR) : VC1, VC2  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90



# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

Orange plates



Tunnel restriction code (ADR) : E  
EAC code : 2Z

### - Transport by sea

Special provision (IMDG) : 274, 335, 966, 967, 969  
Limited quantities (IMDG) : 5 kg  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P002, LP02  
Packing provisions (IMDG) : PP12  
IBC packing instructions (IMDG) : IBC08  
IBC special provisions (IMDG) : B3  
Tank instructions (IMDG) : T1, BK1, BK2, BK3  
Tank special provisions (IMDG) : TP33  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A  
Stowage and handling (IMDG) : SW23  
MFAG-No : 171

### - Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y956  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 956  
PCA max net quantity (IATA) : 400kg  
CAO packing instructions (IATA) : 956  
CAO max net quantity (IATA) : 400kg  
Special provision (IATA) : A97, A158, A179, A197  
ERG code (IATA) : 9L

### - Inland waterway transport

Classification code (ADN) : M7  
Special provisions (ADN) : 274, 335, 375, 601  
Limited quantities (ADN) : 5 kg  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T\* B\*\*  
Equipment required (ADN) : PP, A  
Number of blue cones/lights (ADN) : 0

### - Rail transport

Classification code (RID) : M7  
Special provision (RID) : 274, 335, 375, 601  
Limited quantities (RID) : 5kg  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P002, IBC08, LP02, R001  
Special packing provisions (RID) : PP12, B3  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T1, BK1, BK2  
Portable tank and bulk container special provisions (RID) : TP33

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

|   |              |
|---|--------------|
| Tank codes for RID tanks (RID)                                | : SGAV, LGBV |
| Transport category (RID)                                      | : 3          |
| Special provisions for carriage – Packages (RID)              | : W13        |
| Special provisions for carriage – Bulk (RID)                  | : VC1, VC2   |
| Special provisions for carriage – Loading and unloading (RID) | : CW13, CW31 |
| Colis express (express parcels) (RID)                         | : CE11       |
| Hazard identification number (RID)                            | : 90         |

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

Not applicable

## 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

NICKEL CARBONATE Extra Pure is not on the REACH Candidate List

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

##### Denmark

Recommendations Danish Regulation : 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-phrases:

# NICKEL CARBONATE Extra Pure

## Safety Data Sheet

|                           |   |
|---------------------------|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4   |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4   |
| Aquatic Chronic 1         | Hazardous to the aquatic environment — Chronic Hazard, Category 1                               |
| Carc. 1A                  | Carcinogenicity (inhalation) Category 1A  |
| Muta. 2                   | Germ cell mutagenicity, Category 2  |
| Repr. 1B                  | Reproductive toxicity, Category 1B  |
| Skin Irrit. 2             | Skin corrosion/irritation, Category 2   |
| Skin Sens. 1              | Sensitisation — Skin, category 1  |
| STOT RE 1                 | Specific target organ toxicity — Repeated exposure, Category 1                                  |
| H302                      | Harmful if swallowed  |
| H315                      | Causes skin irritation  |
| H317                      | May cause an allergic skin reaction   |
| H332                      | Harmful if inhaled  |
| H341                      | Suspected of causing genetic defects  |
| H350i                     | May cause cancer by inhalation  |
| H360D                     | May damage the unborn child   |
| H372                      | Causes damage to organs through prolonged or repeated exposure                                  |
| H410                      | Very toxic to aquatic life with long lasting effects  |
| R20/22                    | Harmful by inhalation and if swallowed  |
| R38                       | Irritating to skin  |
| R42                       | May cause sensitization by inhalation   |
| R43                       | May cause sensitisation by skin contact   |
| R48/23                    | Toxic: danger of serious damage to health by prolonged exposure through inhalation              |
| R49                       | May cause cancer by inhalation  |
| R50/53                    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R61                       | May cause harm to the unborn child  |
| R68                       | Possible risk of irreversible effects   |
| N                         | Dangerous for the environment   |
| T                         | Toxic   |
| Xi                        | Irritant  |
| Xn                        | 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*