

# OTTO CHEMIE PVT LTD

An ISO 9001 : 2015 & GMP Certified Company  
101, Aarkay Ruby Industrial Estate (1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208. Tel : + 91 98200 41841  
Email : [info@ottokemi.com](mailto:info@ottokemi.com) Web : [www.ottokemi.com](http://www.ottokemi.com)

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1. Product identifiers

Product name: Lithium cobalt(III) oxide, 97%  
Product Code: L 0162  
CAS No : 12190-79-3

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification  
OTTO CHEMIE PVT LTD  
101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208.  
Email [info@ottokemi.com](mailto:info@ottokemi.com)

1.4. Emergency telephone number

Phone no. : + 91 22 2207 0099 (9:00am - 6:00 pm).

### SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Reproductive toxicity Category 1B

2.2 Label elements

Pictograms or hazard symbols

Signal word

Hazard statements

Precautionary statements

Danger

H360FD-May damage fertility. May damage the unborn child.

P201-Obtain special instructions before use.

P202-Do not handle until all safety precautions have been read and understood.

P280-Wear protective gloves, protective clothing, face protection.

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

P405-Store locked up.

P501-Dispose of contents/container through a waste management company authorized by the local government.

2.3 Other hazards May form explosive peroxides.

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable

### SECTION 3: Composition/information on ingredients

3.1 Substances

Components:

Lithium Cobalt(III) Oxide

Percent:

>99.5%

CAS RN:

12190-79-3

Synonyms:

Cobalt Lithium Oxide

Chemical Formula:

CoLiO2

### SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.

Ingestion: Get medical advice/attention. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

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No data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

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

Carbon monoxide, carbon dioxide etc

### 5.3 Advice for firefighters

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry of non-involved personnel should be controlled around the leakage area by roping off, etc

### 6.2 Environmental precautions Prevent product from entering drains

### 6.3 Methods and materials for containment and cleaning up

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

### 6.4 Reference to other sections For disposal see section 13.

## SECTION 7: Handling and storage

7.1 Precautions for safe handling Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated. Avoid all contact!

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

Keep container tightly closed. Store in a cool and dark place. Store under inert gas. Protect from moisture.

Store locked up. Store away from incompatible materials such as oxidizing agents.

Hygroscopic

### 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters No data available

### 8.2 Exposure controls Install a closed system or local exhaust. Also install safety shower and eye bath.

Respiratory protection: Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.

Hand protection: Impervious gloves.

Eye protection: Safety goggles. A face-shield, if the situation requires.

Skin and body protection: Impervious protective clothing. Protective boots, if the situation requires.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state (20°C)

:Solid

Colour

: Black

Odour

: No data available

Ph

: No data available

Melting point/freezing point

: No data available

Boiling point/range

: No data available

Flash point

: No data available (Calculated value:>60°C)

Flammability or explosive limits:

Lower

: No data available

Upper

: No data available

Relative density

: No data available Solubility(ies):

[Water]

No data available

[Other solvents]

No data available

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Partition coefficient: No data available  
n-octanol/water:  
Autoignition temperature : No data available  
Decomposition temperature : No data available  
Dynamic Viscosity : No data available  
Kinematic viscosity : No data available  
9.2 Other safety information No data available

## SECTION 10: Stability and reactivity

10.1 Reactivity No data available  
10.2 Chemical stability Stable under proper conditions.  
10.3 Possibility of hazardous reactions No special reactivity has been reported.  
10.4 Conditions to avoid No data available  
10.5 Incompatible materials Oxidizing agents  
10.6 Hazardous decomposition products Carbon monoxide, carbon dioxide etc

## SECTION 11: Toxicological information

11.1 Information on toxicological effects  
Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Toxicity to Animals:  
Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/kg  
Inhalation LC50 Rat: > 50mg/L.  
Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified None. by NTP, None. by OSHA, None. by NIOSH.  
Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant).  
Special Remarks on Toxicity to Animals: Not available.  
Special Remarks on Chronic Effects on Humans: Not available.  
Special Remarks on other Toxic Effects on Humans: Not available.

## SECTION 12: Ecological information

12.1 Toxicity  
Fish : No data available  
Crustacea : No data available  
Algae : No data available  
12.2 Persistence and degradability No data available  
12.3 Bioaccumulative potential No data available  
12.4 Mobility in soil  
Log Pow : No data available  
Soil adsorption (Koc) : No data available  
Henry's Law (PaM 3/mol) : No data available  
12.5 Results of PBT and vPvB assessment  
PBT : Not applicable  
vPvB : Not applicable  
12.6 Other adverse effects No data available

## SECTION 13: Disposal considerations

13.1 Waste treatment methods  
Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

## SECTION 14: Transport information

14.1 UN number Not listed  
14.2 UN proper shipping name  
ADR/RID Not listed  
IMDG/IMO Not listed  
ICAO/IATA Not listed  
14.3 Transport hazard class(es)  
ADR/RID Does not correspond to the classification standard of the United Nations  
IMDG/IMO Does not correspond to the classification standard of the United Nations  
ICAO/IATA Does not correspond to the classification standard of the United Nations

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14.4 Packaging group

ADR/RID -

IMDG/IMO -

ICAO/IATA -

14.5 Environmental hazards

Marine pollutant -

14.6 Special precautions for user

No data available

This substance is not regulated by IATA/ICAO/ARD/RID/IMO/IMDG and is considered to be Non Hazardous for transport by Air/Rail/Road/Sea

## SECTION 15: Regulatory information

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

Substance of Very High Concern (SVHC) according to the

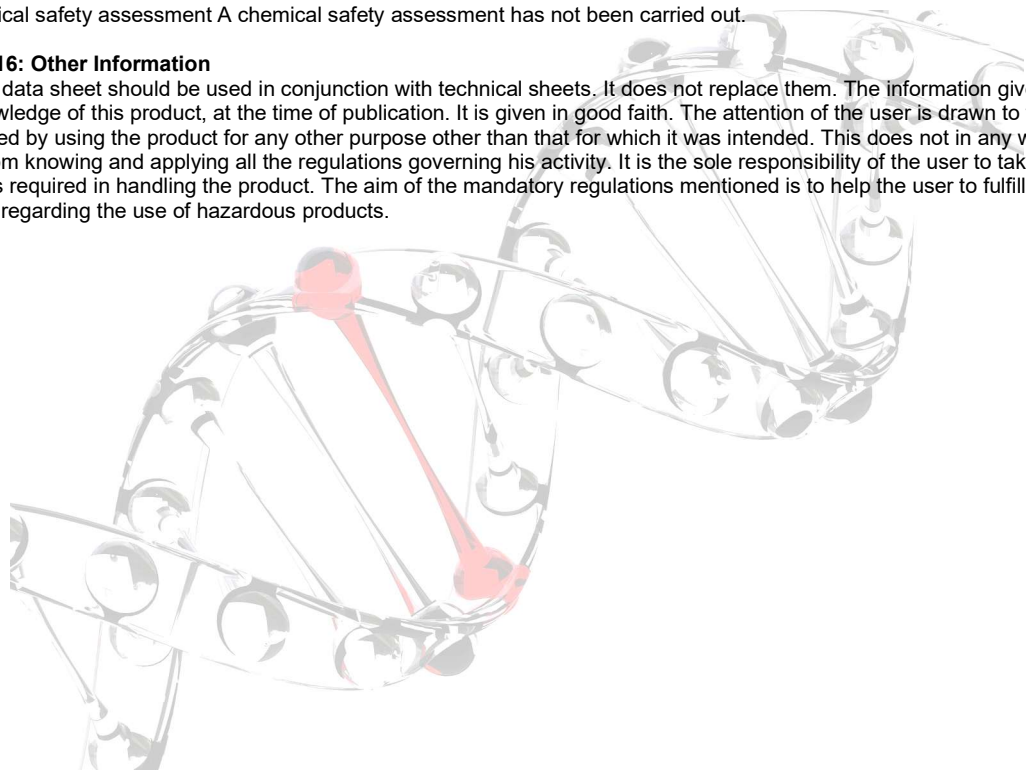
REACH Regulations (EC) No.1907/2006

Not listed

15.2 Chemical safety assessment A chemical safety assessment has not been carried out.

## SECTION 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.



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