

MATERIAL SAFETY DATA SHEET

Product Name: Nickel(II) oxide

CAS No.: 1313-99-1

Version: 0

1. Identification

Product Code : 90470
Company Name : Advent Chembio Private Limited
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2. Hazards Identification

Hazard classification

Skin sensitization : Category 1
 Carcinogenicity, Inhalation : Category 1A
 Specific target organ toxicity - repeated exposure : Category 1
 Chronic aquatic toxicity : Category 4

Label elements

Hazard symbol



Signal word : Danger

Hazard statement : May cause an allergic skin reaction.
 May cause cancer by inhalation.
 Causes damage to organs through prolonged or repeated exposure.

May cause long lasting harmful effects to aquatic life.

Precautionary statement : Obtain special instructions before use.

Wear protective gloves.

IF exposed or concerned: Get medical advice/ attention.

Supplemental Hazard Statements : None.

3. Composition/information on ingredients

Ingredient	CAS No
Nickel(II) oxide	1313-99-1

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4. First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact

: Wash off with soap and plenty of water. Consult a physician.

Eye contact

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

Swallowed

: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Indication of any immediate medical attention and special treatment needed Treatment

: No data available

5. Fire fighting measures

Extinguishing media

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

: Nickel/nickel oxides

Advice for firefighters

: Wear self contained breathing apparatus for firefighting if necessary

Further information

: No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

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 materials for containment and cleaning up

: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

MATERIAL SAFETY DATA SHEET**Product Name:** Nickel(II) oxide**CAS No.:** 1313-99-1**Version:** 0**Reference to other sections** : For disposal see section 13.**7. Handling and Storage**

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. 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.
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls**

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Hand protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..

Respiratory protection : Respiratory protection is required.

9. Physical and Chemical Properties

- Appearance** : Fine grey powder.
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- Flash Point** : No data available
- Vapor pressure** : No data available

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Vapor density	: No data available
Relative density	: 6.67 g/cm ³ at 25 °C
Solubility in water	: No data available
Solubility (other)	: practically insoluble
Formula	: NiO
Molecular Weight	: 74,69 g/mol

10. Stability and Reactivity

Reactivity	: No data available
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong acids
Hazardous decomposition products	: No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity	: LD50 Oral - Rat - female - > 11.000 mg/kg (OECD Test Guideline 425) LD50 Subcutaneous - Mouse - 50 mg/kg
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	: Possible human carcinogen.
Reproductive toxicity	: No data available
Specific target organ toxicity - single exposure	: No data available.
Specific target organ toxicity - repeated exposure	: No data available
Aspiration hazard	: No data available
Signs and Symptoms of Exposure	: No data available

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Toxicity	: No data available.
Persistence and degradability	: No data available.
Bioaccumulative potential	: The product may be accumulated in organisms.
Mobility in soil	: No data available.
Other adverse effects	: No data available.

13. Disposal consideration

Disposal instructions	: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	: Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT			Not dangerous goods		
IMDG			Not dangerous goods		
IATA			Not dangerous goods		

15. Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :**01/08/2014**Version : 0**

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