

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No : N 10419
Product Name : Nickel
Manufacutre / Supplier Identification Company : Nice Chemicals (P) Ltd., PB No: 2217,
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms :
CAS - No : 7440-02-0
Molar Mass :
Molecular weight : 58.69 g/mol
Molecular Formula : Ni
EC - INDEX No : 028-002-01-4
EC - No : 231-111-4

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 :
[EU - GHS/CLP] : Carcinogenicity (Category 2), H351
Skin sensitisation (Category 1), H317
Specific target organ toxicity - repeated
exposure (Category 1), H372
Chronic aquatic toxicity (Category 3), H412

For the full text of the H-Statements mentioned
in this section, see section 16.

Label Elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram :
Signal word : Danger
Hazard statement (s)
H317 : May cause an allergic skin reaction.

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H351	:	Suspected of causing cancer.
H372	:	Causes damage to organs through prolonged or repeated exposure.
H412	:	Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	:	none
P273	:	Avoid release to the environment.
P280	:	Wear protective gloves.
P314	:	Get medical advice/ attention if you feel unwell.
Supplemental Hazard Statements	:	none
Caution	:	Substance not yet tested completely.
Other Hazards	:	none

4 FIRST AID MEASURES

After Inhalation	:	If breathed in, move person into fresh air, If not breathing, give artificial respiration. Consult a physician.
After skin contact	:	Wash off with soap and plenty of water. Consult a physician.
After eye contact	:	Flush eyes with water as a precaution.
After swallowing	:	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 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	:	no data available

5 FIRE - FIGHTING MEASURES

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



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Advice for firefighters	:	Wear self contained breathing apparatus for fire fighting 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-protection	:	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	:	Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (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. Normal measures for preventive fire protection.
Conditions for safe storage, including any incompatibilities	:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Specific end users	:	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter	:	Compnents with workplace control parameters
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Catalogue No	:	N 10419
Product Name	:	Nickel
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	:	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374 derived from it.
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	:	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Powder

Colour : white, silver, metallic

Catalogue No	:	N 10419
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Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Melting Point/Freezing point	:	1.453 °C - lit.
Initial Boiling point and boiling range	:	2.732 °C - lit.
Flash Point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	The substance or mixture is a flammable solid with the category 2
Upper/lower flammability or explosive limits	:	No data available
Vapour Pressure	:	1 hPa at 1.810 °C
Vapour Density	:	No data available
Relative density	:	8,9 g/cm ³ at 25 °C
Water solubility	:	No data available
Partition coefficient: noctanol/water	:	No data available
Autoignition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Other Safety information	:	No data available

10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions
Conditions to be avoid	:	No data available
Substance to be avoided	:	No data available
hazardous decomposition products	:	Other decomposition products - no data available

NICE **SAFETY DATA SHEET**

Catalogue No	:	N 10419
Product Name	:	Nickel

Possibility of hazardous reactions	:	No data available
incompatible materials	:	acids, Oxidizing agents, Sulphur compounds, Hydrogen gas, Oxygen, Methanol, organic solvents, Aluminium, Fluorine, Ammonia

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	:	No data available
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Further toxicological Information

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Carcinogenicity	:	IARC : 2B - Group 2B: Possibly carcinogenic to humans (Nickel, powder [particle diameter < 1 mm])
Eye Irritation test (rabbit)	:	No data available
After Inhalation	:	No data available
After Skin contact	:	No data available
After swallowing	:	No data available
After swallowing of large amounts	:	No data available
Further data	:	No data available
Signs and symptoms of Exposure	:	No data available
Additional Information	:	RTECS: Not available

12 ECOLOGICAL INFORMATION

Toxicity	:	
Toxicity to fish	:	LC50 - Cyprinus carpio (Carp) - 1,3 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 - Daphnia magna (Water flea) - 1 mg/l - 48 h
Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available

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Results of PBT and vPvB assessment	:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
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Other adverse effects	:	Very toxic to aquatic life
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13 DISPOSAL METHOD

Waste treatment methods

Product	:	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
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Contaminated packaging	:	Dispose of as unused product.
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14 TRANSPORT INFORMATION

UN number	:	ADR/RID: 3089 IMDG: 3089 IATA: 3089
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UN Proper shipping name	:	ADR/RID: METAL POWDER, FLAMMABLE, N.O.S.
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IMDG: METAL POWDER,
FLAMMABLE, N.O.S.

IATA: METAL POWDER,
FLAMMABLE, N.O.S.

Transport hazard class(es)	:	ADR/RID: 4.1 IMDG: 4.1 IATA: 4.1
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Packaging group	:	ADR/RID: II IMDG: II IATA: II
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Environmental group	:	ADR/RID: yes IMDGMarine pollutant: yes IATA: no
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15 REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific for the substance or mixture	:	No data available
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Chemical safety assessment	:	For this product a chemical safety assessment was not carried out
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16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.