

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: CAS Number: EC Number: Zirconium Nickel Alloy Powder 11146-73-9 231-111-4

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

Recommended use: Laboratory chemicals, Industrial & for professional use only

1.3 Details of the supplier of the safety data sheet

Company name:

East Harbour Group Ltd Miranda House, The Quay Harwich, Essex, CO12 3HH United Kingdom

Telephone: Email: +44 (0) 333 242 0100 info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone:

0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

Classification of the substance o	r mixture in accordance with 29 CFR 1910 (OSHA HCS)
GHS08	Health Hazard
Carc. 2	H351 suspected of causing cancer
STOT RE 1	H372 Causes damage to the lung, the kidneys, and the liver through
	prolonged or repeated exposure. Route of exposure: Inhalation
GHS07	
Skin Sens. 1	H317 May cause an allergic skin reaction.
Hazards not other classified	No information known

2.2 Label elements

The product is classified and labelled in accordance with 29 CFR 1910 (OSHA HCS)



Picotograms

Danger
May cause an allergic skin reaction
Suspected of causing cancer
Causes damage to the lung, the kidneys, and the liver through prolonged or
repeated exposure. Route of exposure: Inhalation
Do not breathe dust/fume/gas/mist/vapours/spray
Avoid breathing dust/fume/gas/mist/vapours/spray
Wear protective gloves/protective clothing/eye protection/face protection
Was contaminated clothing before reuse
Store locked up
Dispose of contents/container in accordance with local/ regional/ national/
international regulations
Very toxic material causing other toxic effects
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=0
=0
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	VD 000000mont
PBT	Not applicable
vPvB	Not applicable

Section 3: Composition/information on ingredients

Chemical characterisation: CAS# Description: Identification number(s): CAS# Description: Identification number(s): Substances 7440-67-7 Zirconium EC number 231-176-9 7440-02-0 Nickel EC number 231-111-4

Section 4: First aid measures

4.1 Description of first aid measures

General information No special measures required.



After inhalation After skin contact After eye contact Seek medical treatment in case of complaints. Generally the product does not irritate the skin Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. If symptoms persist consult doctor.

After swallowing

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Special powder for metal fires. Do not use water Unsuitable extinguishing media: water

5.2 Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released: Zirconium Oxide Nickel/Nickel Oxides

5.3 Advice for firefighters

Special protective equipment: No special measures required

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required

6.2 Environmental precautions

Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil

6.3 Methods and material for containment and cleaning up

Pick up mechanically. Prevention of secondary hazards: No special measures required **Reference to other sections** See Section 7 for information on safe handling See Section 8 for information on personal protection equipment See Section 13 for disposal information

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Section 7: Handling and storage

7.1 Precautions for safe handling

Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Information about protection against explosions and fires:

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility: Further information about storage conditions:

No special measures required.

No special requirements No information known Keep container tightly sealed Store in cool, dry conditions in well-sealed containers No further relevant information available

Specific end use(s)

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls /

Appropriate engineering controls General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed Maintain an ergonomically appropriate working environment

8.3 Personal protective equipment

Breathing equipment Protection of hands Penetration time of glove materials Eye protection Body protection Not required Not required Not determined Safety glasses Protective work clothing

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Odour Odour Threshold pH Melting Point/Range Boiling Point/Range Sublimation temperature/start Form: Solid in various forms Odourless Not determined Not applicable Not determined Not determined Not determined

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Flammability (solid, gas) Ignition temperature Decomposition temperature Auto igniting Danger of explosion Explosion Limits Upper/Lower Vapour Pressure Vapour Density Evaporation rate Partition Coefficient (n-octanol/water) Viscosity: Other information No further relevant information available Not determined Not determined Not determined Not determined Upper: Not determined. Lower: Not determined Not applicable Not applicable Not applicable Not determined Dynamic: Not applicable, Kinematic: Not applicable

Section 10: Stability and Reactivity

10.1 Reactivity 10.2 Chemical Stability No information known Stable under recommended storage conditions Thermal decomposition/conditions to be avoided: Decomposition will not occur if used and stored according to specifications No dangerous reactions known No further relevant information available No information known

10.4 Conditions to avoid 10.5 Incompatible materials

10.3 Possibility of hazardous reactions

Section 11: Toxicological Information

11.1 Toxicological effects:

Acute toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance LD/LC50 values that are relevant for classification:

No data

Skin irritation or corrosion:

Powder: Irritant effect

Eye irritation or corrosion: Powder: Irritant effect

Sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for this substance. **Carcinogenicity:**

Suspected cause of cancer.

IARC-2B: Possibly carcinogenic to humans: Limited evidence in humans in the absence of sufficient evidence in experimental animals.

The Registry of Toxic Effects of Chemical Substances (RTECS) contains tumorigenic and/or carcinogenic and/or neoplastic data for this substance.



Reproductive toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance.

Specific target organ system toxicity - repeated exposure:

Causes damage to the lung, the kidneys, and the liver through prolonged or repeated exposure. Route of exposure: Inhalation.

Specific target organ system toxicity – single exposure:

No effects known

Aspiration hazard:

No effects known

Subacute to chronic toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance.

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

Section 12: Ecological Information

12.1 Toxicity

Aquatic toxicity No further relevant information available.

Persistence and degradability No further relevant information available Bioaccumulative potential No further relevant information available Mobility in soil No further relevant information available Additional ecological information:

General notes:

Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system Avoid transfer into the environment.

Results of PBT and vPvB assessmentPBT:Not applicablevPvB:Not applicable

Other adverse effects

No further relevant information available

Section 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Consult local or national regulations to ensure proper disposal

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations. Recommended cleansing agent: Water, if necessary, with cleansing agent

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Section 14: Transport Information

UN- Number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards Special precautions for user	DOT, ADN, IMDG, IATA DOT, ADN, IMDG, IATA DOT, ADR, ADN, IMDG, IATA DOT, IMDG, IATA	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
Transport / additional information Marine Pollutant (DOT) UN "Model Regulation"	DOT	No -

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

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

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16: Other Information

Further information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this Document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.