

Printing date 02/15/2022

Reviewed on 02/06/2016

1 Identification

- · Product name
- Trade name: <u>Nickel tubing (99.5%)</u>
- Item number: 93-2876
- · CAS Number:
- 7440-02-0 • **EC number:**
- 231-111-4 • **Index number:**
- 028-002-00-7
- Details of the supplier of the safety data sheet
 Manufacturer/Supplier: Strem Chemicals, Inc.
 7 Mulliken Way NEWBURYPORT, MA 01950 USA info@strem.com
- *Information department: Technical Department* • *Emergency telephone number:*
- EMERGENCY: CHEMTREC: +1 (800) 424-9300 During normal opening times: +1 (978) 499-1600

2 Hazard(s) identification

Classification of the substance or mixture



GHS08 Health hazard

Carc. 2H351 Suspected of causing cancer.STOT RE 2H373 May cause damage to organs through prolonged or repeated exposure.

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

· Label elements

· GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



· Signal word Warning

- Hazard-determining components of labeling: nickel
- Hazard statements

H317 May cause an allergic skin reaction. H351 Suspected of causing cancer.

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	e damage to organs through prolonged or repeated exposure.
• Precautionary s	
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P3	38 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preser
D201 + D210	and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233 P501	Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international
F 301	regulations.
Classification sy	
NFPA ratings (
TVITA ruungs (3	<i>cute</i> 0 - 4)
H	ealth = 2
Fi	re=0
$\sim 2 \sqrt{0} R$	pactivity = 0
• •	
· HMIS-ratings (scale 0 - 4)
HEALTH *2	Health = *2
	Fire = 0
REACTIVITY 0	
• Other hazards	
· Results of PBT	and vPvB assessment
PBT: Not applic	able.
• vPvB: Not appli	cable.
Composition	information on ingredients
*	
	cterization: Substances
· CAS No. Descri	
7440-02-0 nicke	
· Identification n	
• EC number: 23	1-111-4
Index number:	028-002-00-7
First-aid mea	\$11P#\$
1 II St-atta mea	Sures
Description of f	
General inform	
Symptoms of po	isoning may even occur after several hours; therefore medical observation for at least 48 hou
after the accider	
· After inhalation	
	and to be sure call for a doctor.
In case of uncon	sciousness place patient stably in side position for transportation.
	ct: Immediately wash with water and soap and rinse thoroughly.

- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- · Information for doctor:

• Most important symptoms and effects, both acute and delayed No further relevant information available.

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• *Indication of any immediate medical attention and special treatment needed No further relevant information available.*

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.

- · Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to item 13.
- · 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.
- · Protective Action Criteria for Chemicals

• **PAC-1**:

· PAC-2:

· PAC-3:

7 Handling and storage

· Handling:

- *Precautions for safe handling* No special precautions are necessary if used correctly.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: None.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

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4.5 mg/m3

50 mg/m3

99 mg/m3



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· Contro	ol parameters
· Compo	onents with limit values that require monitoring at the workplace:
7440-0	2-0 nickel
PEL L	ong-term value: 1 mg/m ³
	ong-term value: 0.015 mg/m ³ s Ni; See Pocket Guide App. A
	ong-term value: 1.5* mg/m ³ lemental, *inhalable fraction
· Additio	onal information: The lists that were valid during the creation were used as basis.
 Person Genera Keep a Immed Wash k Store p Breath 	and protective equipment: al protective equipment: al protective and hygienic measures: way from foodstuffs, beverages and feed. iately remove all soiled and contaminated clothing. hands before breaks and at the end of work. brotective clothing separately. ing equipment: A NIOSH approved respirator in accordance with 29 CFR 1910.134. tion of hands:
M2 Lup	Protective gloves
Due to	ove material has to be impermeable and resistant to the product/ the substance/ the preparation. missing tests no recommendation to the glove material can be given for the product/ the preparation/ the ral mixture.
Selectio	on of the glove material on consideration of the penetration times, rates of diffusion and the degradation <i>ial of gloves</i>
The sel varies j	lection of the suitable gloves does not only depend on the material, but also on further marks of quality and from manufacturer to manufacturer.
	ation time of glove material fact break through time has to be found out by the manufacturer of the protective gloves and has to be ed.
· Eye pro	otection:
	Tightly sealed goggles

Information on basic physic General Information	cal and chemical properties	
Appearance:		
Form:	Solid	
Color:	Grey	
Odor:	Odorless	
Odor threshold:	Not determined.	
pH-value:	Not applicable.	

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		(Contd. of page
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. Undetermined.	
· Flash point:	Not applicable.	
· Flammability (solid, gaseous):	Not determined.	
· Ignition temperature:		
Decomposition temperature:	Not determined.	
· Auto igniting:	Not determined.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits: Lower: Upper:	Not determined. Not determined.	
· Vapor pressure:	Not applicable.	
· Density at 20 °C (68 °F): · Relative density · Vapor density · Evaporation rate	8.9 g/cm³ (74.2705 lbs/gal) Not determined. Not applicable. Not applicable.	
· Solubility in / Miscibility with Water:	Insoluble.	
· Partition coefficient (n-octanol/wat	t er): Not determined.	
· Viscosity: Dynamic: Kinematic:	Not applicable. Not applicable.	
· Solvent content: Organic solvents: VOC content:	0.0 % 0.0 g/l / 0.00 lb/gl	
Solids content: Other information	100.0 % No further relevant information available.	

10 Stability and reactivity

• *Reactivity* No further relevant information available.

· Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- *Incompatible materials:* No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

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11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- · Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:
- · Carcinogenic categories

· IARC (International Agency for Research on Cancer)

· NTP (National Toxicology Program)

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes: Not known to be hazardous to water.
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

· UN-Number		
DOT, ADN, IMDG, IATA	not regulated	
· UN proper shipping name		
· DOT, ADN, IMDG, IATA	not regulated	

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Transport hazard class(es)		
DOT, ADN, IMDG, IATA		
Class	not regulated	
Packing group		
DOT, IMDG, IATA	not regulated	
Environmental hazards:		
Marine pollutant:	No	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex	II of	
MARPOL 73/78 and the IBC Code	Not applicable.	
UN "Model Regulation":	not regulated	

15 Regulatory information

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

• Section 355 (extremely hazardous substances):

Substance is not listed.

· Section 313 (Specific toxic chemical listings):

Substance is listed.

• TSCA (Toxic Substances Control Act):

Substance is listed.

· Proposition 65 WARNING. Proposition 65 - https://www.p65warnings.ca.gov/

· Chemicals known to cause cancer:

Substance is listed.

· Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

· Chemicals known to cause developmental toxicity:

Substance is not listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

Substance is not listed.

• TLV (Threshold Limit Value established by ACGIH)

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· NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is listed.

GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

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· Hazard pictogr	(Contd. of page
GHS07 GH	\$08
· Signal word Wa	arning
	ining components of labeling:
nickel • Hazard stateme	nte
	e an allergic skin reaction.
	l of causing cancer.
H373 May caus	e damage to organs through prolonged or repeated exposure.
· Precautionary	
P262	Do not get in eyes, on skin, or on clothing.
P280 P305+P351+P	Wear protective gloves/protective clothing/eye protection/face protection. 338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if prese
1 505 11 551 11	and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/internation
· Chemical safet	regulations. y assessment: A Chemical Safety Assessment has not been carried out. nation
6 Other inforn This information	y assessment: A Chemical Safety Assessment has not been carried out. nation on is based on our present knowledge. However, this shall not constitute a guarantee for a
6 Other inform This informatic specific produc	y assessment: A Chemical Safety Assessment has not been carried out. nation on is based on our present knowledge. However, this shall not constitute a guarantee for a t features and shall not establish a legally valid contractual relationship.
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