Section 1: Identification of the substance or mixture and the company

1.1. Product Identifier

EM-Tec NI41 strong conductive nickel cement

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

Against electrostatic charge, bonding SEM samples and making grounding paths for SEM samples

1.3. Details of the supplier of the Safety Data Sheet

Vof Micro to Nano
Wateringweg 79
2031EK Haarlem
Netherlands
Tel: +31(0)85-2013155
E: info@microtonano.com

1.4 Emergency telephone number

112 (NLD) or your national emergency telephone number for chemical spills, leaks, fires, exposures or accidents

Section 2: Hazards identification

2.1. Classification of the substance or mixture

**Physical:**
- Flammable liquid, category 2
- Highly flammable liquid and vapour

**Health:**
- Aspiration irritation, category 1
- Skin corrosion/irritation category 2
- Skin sensitiser category 1
- Eye irritation, category 2
- Reproductive toxicity category 2
- May cause drowsiness or dizziness

**Environment:**
- Chronic aquatic hazard category 3

**Other hazards:**
- None

Classification according to Regulation EC Nr. 1272/2008

F: HIGHLY FLAMMABLE
Xi: Irritant
Xn: Harmful

Health:
- R36: Irritating to eyes
- R38: Irritating to skin
- R40(3): Limited evidence of carcinogenic effect
- R48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation
- R62 (3): Possible risk of impaired vertility
- R63 (3): Possible risk of harm to the unborn child
- R67: Vapours may cause drowsiness and dizziness

Physical
- R11: Highly flammable

Environment:
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Other hazards:
- Not classified

2.2 Labeling elements

Labelling accordance to Regulation EC Nr. 1272/2008

Hazard pictogramm(s):
- Flammable
- Corrosive
- Toxic

Signal word: Danger

Hazard statement(s):
- H225: Highly flammable liquid and vapour
- H315: Causes skin irritation
- H317: May cause an allergic skin reaction
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness
- H351: Suspected of causing cancer
- H361: Suspected of damaging fertility or the unborn child
- H372: Causes damage to organs through prolonged or repeated exposure
- H410: Very toxic to aquatic life with long lasting effects

Supplementary statement(s)
- EUH208: Contains nickel (Ni). May produce an allergic reaction

Precautionary statement(s)

Prevention:
- P102: Keep out of reach of children
- P201: Obtain special instructions before use
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- P233: Keep container tightly closed
- P241: Use explosion proof electrical/ventilating/lighting/intrinsically safe equipment
- P242: Use only non-sparking tools
Safety Data Sheet

Product name: EM-Tec Ni41 conductive nickel cement
Document Nr.: SDS0015004141-01
Date: December 14th 2015
Version: 1.0

P243: Take precautions against static discharge
P260: Do not breath dust/fumes/gas/mist/vapours/spray
P270: Do not eat, drink or smoke when using this product
P 271: Use outdoors or in well ventilated area (fume hood)
P 272: Contaminated work clothing should not be allowed out of the workplace
P 273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:
P301+P310: If swallowed: Immediately call a poison Center/doctor/physician/first aider
P308+P313: If exposed or concerned: Get medical attention
P331: No NOT induce vomiting
P312: Call a poison center/doctor/physician/first aider if you feel unwell
P370+378: In case of fire: Use alcohol resistant foam or protein foam for extinction
P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical attention
P302+P352: If on skin: Wash with plenty of water and soap.
P303+P361+P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing
P332+P313: If skin irritation occurs: Get medical attention
P333+P313: If skin irritation or rash occurs: Get medical advice/attention
P362+P364: Take of contaminated clothing and wash before reuse
P391: Collect spillage

Storage:
P403+P235: Store in a well-ventilated place. Keep cool
P403+P235: Store in a well-ventilated place. Keep container tightly closed
P405: Store locked up
Disposal:
P501-2: Dispose of contents/container to an authorised waste collection point

Supplemental hazard info: None

2.3 Other hazards

Inhalation may produce health damage
Cumulative effects may result following exposures
May produce discomfort of the respiratory system

Section 3: Composition / information on components

3.1. Substances

Not applicable
### 3.2 Mixtures

<table>
<thead>
<tr>
<th>1. CAS Nr</th>
<th>2. EC Nr</th>
<th>3. Index Nr</th>
<th>4. REACH No</th>
<th>% (weight)</th>
<th>Name</th>
<th>Classification according to directive 67/548/EEC [DSD]</th>
<th>Classification according to regulation Nr 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>7440-02-0</td>
<td>231-111-4</td>
<td>028-002-00-7</td>
<td>01-2119555669-21-xxxx</td>
<td>30-60</td>
<td>nickel</td>
<td>R40R43R48/23R52 /53</td>
<td>Flam. Liq. 2, Repr. 2, Asp Tox. 1 STOT RE 2, Skin Irrit.2, STOT RE 3, H225, H361d, H304, H373, H315, H336(3)</td>
</tr>
<tr>
<td>110-43-0</td>
<td>203-767-1</td>
<td>606-024-00-3</td>
<td>01-2119902391-49-xxxx</td>
<td>1-5</td>
<td>Amyl/methyl ketone</td>
<td>R10R20/22</td>
<td>Flam. Liq. 3, Acute Tox. 4; H226, H332, H302</td>
</tr>
<tr>
<td>64-17-5</td>
<td>200-578-6</td>
<td>603-002-00-5</td>
<td>01-2119457610-43-xxxx</td>
<td>1-5</td>
<td>ethanol</td>
<td>R11</td>
<td>Flam. Liq. 2; H225</td>
</tr>
<tr>
<td>110-19-0</td>
<td>203-745-1</td>
<td>607-026-00-7</td>
<td>01-2119488971-22xxxx</td>
<td>1-5</td>
<td>Isobutyl acetate</td>
<td>R11R66</td>
<td>Flam. Liq. 2; H225,EUH066</td>
</tr>
<tr>
<td>108-65-6</td>
<td>203-603-9</td>
<td>283-152-2</td>
<td>01-2119475791-29-xxxx</td>
<td>0.5-1.5</td>
<td>Propylene glycol monomethyl ether acetate, alpha isomer</td>
<td>R10</td>
<td>Flam. Liq. 2; H226</td>
</tr>
<tr>
<td>14807-65-6</td>
<td>238-877-9</td>
<td>not available</td>
<td>not available</td>
<td>1-5</td>
<td>talc</td>
<td>R37R20</td>
<td>Acute toxicity (inhalation) Cat. 4, STOT-SE (Resp. Irr.) Cat. 3 H332, H335</td>
</tr>
</tbody>
</table>
**Section 4: First aid measures**

### 4.1. Description of first aid measures

| Contact with eyes: | Rinse cautiously with water for several minutes. If possible, remove contact lenses. Continue rinsing. Seek medical attention if irritation persists. |
| Contact with skin: | Wash with water and soap. Seek medical attention if irritation persists. Immediately remove all contaminated clothing, including footwear |
| Inhalation: | Fresh air, keep warm and at rest. Seek medical attention of ill effects occur |
| Ingestion: | If swallowed, do not induce vomiting Seek immediate medical advice If vomiting appears imminent or occurs hold patient’s head down, lower than their hips to help avoid possible aspiration of vomitus. Never give liquid to a person with reduced awareness Give water to rinse out mouth, then provide water slowly as much as casually can comfortably drink Avoid giving milk or oils Avoid giving alcohol |

### 4.2. Important symptoms and effects, either immediate or delayed

| Inhalation: | Excessive inhalation of solvent vapours may give rise to nausea, blurred vision, fatigue, headaches and dizziness |
| Ingestion: | May cause respiratory and digestive tract irritation Symptoms: sore throat, abdominal pain, nausea, vomiting |
| Skin contact: | Mildly irritating to skin May cause an allergic reaction with sensitised persons Symptoms: redness and pain |
| Eye contact: | Irritating to eyes Symptoms: redness and pain, impaired vision |

### 4.3. Indication of any immediate medical attention and special treatment

**General advise:** If you feel unwell, seek medical advice; show product label if possible If symptoms persist, always call a doctor
Section 5: Firefighting Measures

5.1. Extinguishing media

Use dry sand, graphite powder, dry sodium based extinguishers
Do not use water, CO2, foam or halogenated fire extinguishing agents

5.2 Special hazards arising from the substance or mixture

Reacts with acids producing flammable / explosive hydrogen gas
Avoid exposure to oxidising agents

5.3 Advice to firefighters

Fight fire from a safe distance, with adequate cover
Metal dust fires may burn violently or may be explosively reactive
In case of fire; do not breathe fumes
Wear self-contained breathing apparatus for fire fighting

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Do not allow metal dust of fine particles to accumulate
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection

6.2 Environmental precautions

Avoid release to the environment
Do not allow to enter public sewers and waterways

6.3 Methods and material for containment and clean up

Absorb spillage in suitable inert material
Clean up spills immediately
Avoid breathing vapours
Control personal contact with the substance, by using protective equipment
Collect spillage, absorbed spillage and wipes in a flammable waste container
Wash spill area with soap and water to remove last traces of residue
Section 7: Handling and storage

7.1. Precautions for safe handling

- Keep away from sources of ignition
- Take precautions against static discharges
- Equipment should be grounded
- Use explosion proof electrical/ventilating/lighting/.../equipment
- Only use non-sparking tools
- Do not breathe aerosols or vapours
- Avoid accumulating of metal dust and fine particles
- Ensure adequate ventilation
- Avoid contact with skin and eyes
- Wash thoroughly after use
- Wear protective gloves/protective clothing/eye protection/face protection
- Have eyewash bottles available

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed, in a cool, well ventilated place
- Keep away from ignition sources
- Store away from oxidising agents
- Keep cool
- Keep out of reach of children

7.3 Specific end uses(s)

- Against electro-static charge
- Making grounding paths.
- Bonding SEM specimens
Section 8: Exposure control and personal protection

8.1. Control parameters

Exposure limits

### Occupational exposure limits (OEL)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Material Name</th>
<th>Source</th>
<th>TWA</th>
<th>STEL</th>
<th>Peak</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>toluene</td>
<td>Toulene</td>
<td>UK</td>
<td>191mg/m3</td>
<td>384mg/m3</td>
<td>Not available</td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EU</td>
<td>191mg/m3</td>
<td>384mg/m3</td>
<td>Not available</td>
<td>Skin</td>
</tr>
<tr>
<td>Amyl methyl ketone</td>
<td>Heptan-2-one</td>
<td>UK</td>
<td>237mg/m3</td>
<td>475mg/m3</td>
<td>Not available</td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EU</td>
<td>238mg/m3</td>
<td>475mg/m3</td>
<td>Not available</td>
<td>Skin</td>
</tr>
<tr>
<td>acetone</td>
<td>Acetone</td>
<td>UK</td>
<td>1210mg/m3</td>
<td>3620mg/m3</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EU</td>
<td>1210mg/m3</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>ethanol</td>
<td>Ethanol</td>
<td>UK</td>
<td>1920mg/m3</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Isobutyl acetate</td>
<td>Isobutyl acetate</td>
<td>UK</td>
<td>724mg/m3</td>
<td>903mg/m3</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Propylene glycol monomethyl ether acetate</td>
<td>1-Methoxypropyl acetate</td>
<td>UK</td>
<td>274mg/m3</td>
<td>548mg/m3</td>
<td>Not available</td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EU</td>
<td>275mg/m3</td>
<td>548mg/m3</td>
<td>Not available</td>
<td>Skin</td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>Ethyl acetate</td>
<td>UK</td>
<td>200ppm</td>
<td>400ppm</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>nickel</td>
<td>Nickel (metal) Ni</td>
<td>UK</td>
<td>0.5mg/m3</td>
<td>Not available</td>
<td>Not available</td>
<td>skin</td>
</tr>
<tr>
<td>talc powder</td>
<td>Talc</td>
<td>UK</td>
<td>1mg/m3</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

**Control procedures:** Ensure adequate ventilation  
Keep away from heat sources and ignition sources  
Take precautions against static discharges

**Personal protection:** Take precautions to avoid contact with eyes and skin when handling the products  
Ensure adequate ventilation

**Inhalation:** In case of insufficient ventilation, wear suitable respiratory equipment:  
Air purifying respirator with organic gas/vapour cartridge (type A)

**Hands and skin:** Wear suitable gloves against chemicals; recommended gloves:  
Nitrile

**Eyes:** Wear safety goggles or full face protection
9.1. Information on basic physical and chemical properties

- **Appearance/physical state:** Liquid
- **Colour:** Steel grey
- **Odour:** Solvent
- **pH:** not applicable
- **Boiling point/range:** 56°C
- **Flash point:** -18°C (closed cup)
- **Evaporation rate:** >1
- **Explosion limits:**
  - upper limit: 11%
  - lower limit: 1%
- **Vapour pressure:** 1 Kpa
- **Relative density:** 1.65 g/cm3 @ 20°C
- **Solubility in water:** partly miscible
- **Auto-ignition:** >315°C
- **Viscosity:** >34 cSt

9.2 Other information

- **VOC:** Not available

Section 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purposes

10.2 Chemical stability

Stable at normal temperatures and pressures

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purposes

10.4 Conditions to avoid

Avoid overheating, ignition sources and incompatible substances
Section 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Inhalation: Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Skin contact: Prolonged skin contact will result in defattening of the skin, leading to irritation and in some cases to dermatitis. Allergic reaction may occur with sensitised persons.

Eye contact: Irritation to eyes

Toxicological data:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Toxicity</th>
<th>Irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>Dermal (rabbit) LD: 12124mg/l</td>
<td>Eye (rabbit): 2mg/24h - severe</td>
</tr>
<tr>
<td></td>
<td>Inhalation (rat) LC50: 49mg/l</td>
<td>Eye (rabbit): 100mg/30s - mild</td>
</tr>
<tr>
<td></td>
<td>Oral (rat) LD50: 636 mg/kg</td>
<td>Skin (rabbit): 20mg/24h - moderate</td>
</tr>
<tr>
<td>Nickel</td>
<td>Oral (rat) LD50: &gt;5000 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Amyl methyl ketone</td>
<td>Dermal (rabbit) LD: 12600mg/l</td>
<td>Skin (rabbit): 14mg/24h - mild</td>
</tr>
<tr>
<td></td>
<td>Inhalation (rat) LC50: 4000ppm/4h</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral (rat) LD50: 1670 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>Dermal (rabbit) LD: 20000mg/l</td>
<td>Eye (human): 500ppm - irritant</td>
</tr>
<tr>
<td></td>
<td>Inhalation (rat) LC50: 50.1mg/l/8h</td>
<td>Eye (rabbit): 20mg/24h - moderate</td>
</tr>
<tr>
<td></td>
<td>Oral (rat) LD50: 5800 mg/kg</td>
<td>Skin (rabbit): 500mg/24hr - mild</td>
</tr>
<tr>
<td>ethanol</td>
<td>Dermal (rabbit) LD: 17100mg/l</td>
<td>Eye (rabbit): 500mg - severe</td>
</tr>
<tr>
<td></td>
<td>Inhalation (rat) LC50: 64000ppm/4h</td>
<td>Eye (rabbit): 100mg/24h - moderate</td>
</tr>
<tr>
<td></td>
<td>Oral (rat) LD50: 11872769 mg/kg</td>
<td>Skin (rabbit): 20mg/24hr - moderate</td>
</tr>
<tr>
<td>Isobutyl acetate</td>
<td>Dermal (rabbit) LD: &gt;5000mg/kg</td>
<td>moderate</td>
</tr>
<tr>
<td></td>
<td>Oral (rat) LD50: 134000 mg/kg</td>
<td>Skin (rabbit): 500mg open mild</td>
</tr>
<tr>
<td>Propylene glycol monomethyl ether</td>
<td>Dermal (rabbit) LD: &gt;5000mg/kg</td>
<td>Nil reported</td>
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</tbody>
</table>
Section 12: Ecological information

12.1. Toxicity

Not available

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Persistence: Water/Soil</th>
<th>Persistence: Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>toluene</td>
<td>LOW (Half-life = 28 days)</td>
<td>LOW (Half-life = 4.33 days)</td>
</tr>
<tr>
<td>amyl methyl ketone</td>
<td>LOW</td>
<td>LOW</td>
</tr>
<tr>
<td>acetone</td>
<td>LOW (Half-life = 14 days)</td>
<td>Medium (Half-life = 116.25 days)</td>
</tr>
<tr>
<td>ethanol</td>
<td>LOW (Half-life = 2.17 days)</td>
<td>LOW (Half-life = 5.08 days)</td>
</tr>
<tr>
<td>Isobutyl acetate</td>
<td>LOW</td>
<td>LOW</td>
</tr>
<tr>
<td>Propylene glycol monomethyl ether acetate, alpha-isomer</td>
<td>LOW</td>
<td>LOW</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>LOW (Half-life = 14 days)</td>
<td>LOW (Half-life = 14.71 days)</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Bioaccumulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>toluene</td>
<td>LOW (BCF = 90)</td>
</tr>
<tr>
<td>amyl methyl ketone</td>
<td>LOW (logKOW = 1.98)</td>
</tr>
<tr>
<td>acetone</td>
<td>LOW (BCF = 90)</td>
</tr>
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</table>
12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Bioaccumulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>toluene</td>
<td>LOW (KOC = 268)</td>
</tr>
<tr>
<td>amyl methyl ketone</td>
<td>LOW (KOC = 24)</td>
</tr>
<tr>
<td>acetone</td>
<td>HIGH (KOC = 1.981)</td>
</tr>
<tr>
<td>ethanol</td>
<td>HIGH (KOC = 1)</td>
</tr>
<tr>
<td>Isobutyl acetate</td>
<td>LOW (KOC = 17.48)</td>
</tr>
<tr>
<td>Propylene glycol monomethyl ether acetate, alpha-isomer</td>
<td>HIGH (KOC = 1.838)</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>LOW (KOC = 6.131)</td>
</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

No information available

12.6 Hazardous decomposition products

No experimental data available

Section 13: Disposal considerations

13.1. Waste treatment methods

Product: This material and its container must be disposed of in a safe way. Containers may still present a chemical hazard when empty. Do not discharge into drains or the environment, dispose to an authorised waste collection point.

National regulations: Disposal should be in accordance with local, state or national legislation.
Section 14: Transport information

14.1. UN number

UN-number: 1263

14.2 UN proper shipping name

Proper shipping name: PAINT

14.3 Transport hazard class(es)

Class: 3
ADR/RID-Classification code: F1

14.4 Packing group

Packing: II
Limited Quantity: 5L

14.5 Incompatible materials

ADR/RID-Environmentally hazardous: Not applicable
IMDG-Marine pollutant: No relevant data
IATA/ICAO-Environmentally hazardous: No relevant data

14.6 Special precautions for user

ADR/RID-Tunnelcode: (D/E)
IMDG-EMS: F-E, S-E
IATA/ICAO-PAX: 353
IATA/ICAO-CAO: 364
IATA/ICAO-DGR: Y341

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable
Section 15: Regulatory information

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

UN-number: 1263

15.2 Chemical safety assessment

No information available

Section 16: Other information

RoHS Directive Compliant
This product is fully compliant with the directive 2100/65/EU Annex II (RoHS). It does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's or PBDE's.

WEEE
This product is not a piece of electrical or electronic equipment, and it therefore not governed by Directive 2002/96/EC on waste electrical and electronic equipment (WEEE)

Abbreviations:

Asp. Tox    Aspiration hazard
Carc.       Carcinogenicity
Exp.        Exposure
Flam.       Flammable
GHS         Global Harmonised System of Classification of Labelling Chemicals
Irrit.      Irritant
LC50        Lethal Concentration 50%
LCLo        Lowest published lethal concentration
LD50        Lethal Dose 50%
N/A         Not applicable
N/E         Not estimated
PBT         Persistent Bioaccumulative and Toxic
WEL         Workplace Exposure Limit
Repr.       Reproductive toxitant
RoHS        Restriction of Hazardous Substance
SEM         Scanning Electron Microscope
STEL        Short-Term Exposure Limit
STOT        Specific Target Organ Toxicity
TCLo        Lowest published toxic concentration
vPvB        very Persistent and very Bioaccumulative
WEEE        Waste Electrical and Electronic Equipment
Safety Data Sheet

Product name: EM-Tec NI41 conductive nickel cement

Date: December 14th 2015

Document Nr.: SDS0015004141-01

Version: 1.0

DSD / DPD label elements

Full Text Risk and Hazard codes

H220 – Extremely flammable gas.
H226 – Flammable liquid and vapour.
H228 – Flammable solid.
H250 – Catches fire spontaneously if exposed to air
H301 – Toxic if swallowed.
H302 – Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
H311 – Toxic in contact with skin.
H317 – May cause an allergic skin reaction.
H332 – Harmful if inhaled.
H335 – May cause respiratory irritation.
H340 – May cause genetic defects.
H350 – May cause cancer.
H360 – May damage fertility or the unborn child.
H361 – Suspected of damaging fertility or the unborn child.
H362 – May cause harm to breast-fed children.
H370 – Causes damage to organs.
H371 – May cause damage to organs.
H372 – Causes damage to organs through prolonged or repeated exposure.
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
H411 – Toxic to aquatic life with long lasting effects.
H413 – May cause long lasting harmful effects to aquatic life.

R10 – Flammable.
R20 - Harmful by inhalation.
R20/22 – Harmful by inhalation and if swallowed.
R36 – Irritating to eyes.
R37 – Irritating respiratory system.
R38 – Irritating to skin.
R40 – Limited evidence of a carcinogenic effect.
R48/20 – Harmful: danger of serious damage to health by prolonged exposure through inhalation
R52 – Harmful to aquatic organisms
R63 – Possible risk of harm to the unborn child.
R65 – Harmful – May cause long damage if swallowed
R66 – Repeated exposure may cause skin dryness and cracking.

Safety advice:

S01 – Keep locked up.
Safety Data Sheet

Product name: EM-Tec Ni41 conductive nickel cement
Document Nr.: SDS015004141-01

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S02 – Keep out of reach of children.
S04 – Keep away from living quarters
S09 – Keep container in a well ventilated place.
S13 – Keep away from food, drink and animal feeding stuff.
S16 – Keep away from sources of ignition. No smoking.
S20 – When using, do not eat or drink.
S23 – Do not breath gas/fumes/vapour/spray.
S26 – In case of contact with eyes, rinse with plenty of water and seek medical help.
S281 – After contact with skin, wash immediately with detergent and plenty of waterways.
S29 – Do not empty in drains.
S33 – Take precautionary measures against static discharges.
S35 – This materials and its container must be disposed of in a safe way.
S36 – Wear suitable protective clothing.
S37 – Wear protective gloves.
S38 – In case of insufficient ventilation, wear suitable respiratory equipment.
S39 – Wear protective glasses.
S40 – In case of insufficient ventilation, wear suitable respiratory equipment.
S41 – In case of fire and/or explosion; DO NOT breathe fumes.
S43 – In case of fire use....
S45 – In case of accident or if you feel unwell, immediately contact Doctor or Poisons information center (show label if possible).
S46 – If swallowed, seek immediate medical advice and show label if possible.
S52 – Not recommended for interior use on large surfaces.
S53 – Avoid exposure – obtain special instructions before use.
S56 – Dispose of this materials and its container at hazardous or special waste collection point.
S57 – Use appropriate container to avoid environment contamination.
S61 – Avoid release to the environment.
S63 – In case of accident by inhalation; remove casualty to fresh air and keep at rest.
S64 – If swallowed, rinse mouth with water (only if person is conscious).

This product should be stored, handled and used in accordance with good industrial hygiene practices
and in accordance with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to
describe the product from the point of view of safety requirements. It does not guarantee any specific
properties.

It is the responsibility of the user to query and verify any information seeming suspect or where doubt on
the validity may exist. The buyer assumes all responsibility of using and handling the product in
accordance with local, state, federal and international regulations.