



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

Product Detail : 3991 Nickel graphite filled conductive, 1-component sealing
 Application of the substance / the preparation: Surface Coating. For industrial and professional use only.
 Manufacturer / supplier: Holland Shielding Systems B.V.
 Jacobus Lipsweg 124
 3316 BP Dordrecht
 the Netherlands
 Ph: +31(0)78- 204 90 00
 Fax: +31(0)78- 204 90 08
 www.hollandshielding.com
 info@hollandshielding.com


In an emergency, please contact your local/national poison control center (accessible only to medical personnel).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

| Classification according to Regulation (EC) No 1272/2008 | | |
|--|------|---|
| STOT RE 1 | H372 | Causes damage to the respiratory system through prolonged or repeated |
| Carc. 2 | H351 | Suspected of causing cancer. Route of exposure: Inhalation. |
| Skin. 1 | H317 | May cause an allergic skin reaction. |

2.2 Label Elements

| Labelling according to Regulation (EC) No 1272/2008 | |
|---|---|
| Hazard pictograms |   |
| Signal Word: | Danger |

| Hazard Statements | |
|-------------------|---|
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer. Route of exposure: Inhalation. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

| Precautionary statements | |
|--------------------------|--|
| P260 | Do not breathe dust/fumes/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+352 | IF ON SKIN: Wash with plenty of water/. |
| P308+31 | IF exposed or concerned: Get medical attention. |
| P314 | Get medical attention if you feel unwell. |
| P321 | Specific treatment (see instructions on this label). |

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

| | |
|--|--|
| Description: Mixture of substances listed below with nonhazardous additions. | |
| Dangerous Components: | |
| NICKEL | |
| 7440-02-0 231-111-4 |  Carc. 2, H351 STOT RE 1, H372 50-70% |
| |  Skin Sens. 1, H317 |

4 FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|--------------|--|
| Skin contact | Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. |
| Eye contact | Bathe the eye with running water for 15 minutes. Consult a doctor. |
| Ingestion | Wash out mouth with water. Consult a doctor. |
| Inhalation | Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|-----------------------------|--|
| Skin contact | There may be irritation and redness at the site of contact. |
| Eye contact | There may be irritation and redness. The eyes may water profusely. |
| Ingestion | There may be soreness and redness of the mouth and throat. |
| Inhalation | Exposure may cause coughing or wheezing. |
| Delayed / immediate effects | Delayed effects can be expected after long-term exposure. |

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|-------------------------------|-----------------|
| Immediate / special treatment | Not applicable. |
|-------------------------------|-----------------|

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

| | |
|---------------------|---|
| Extinguishing media | Suitable extinguishing media for the surrounding fire should be used. |
|---------------------|---|

5.2 Special hazards arising from the substance or mixture

| | |
|------------------|----------------------------------|
| Exposure hazards | In combustion emits toxic fumes. |
|------------------|----------------------------------|

5.3 Advice for fire-fighters

| | |
|--------------------------|---|
| Advice for fire-fighters | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. |
|--------------------------|---|

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|----------------------|--|
| Personal precautions | Do not attempt to take action without suitable protective clothing- see section 8 of SDS. Do not create dust. Evacuate the area immediately. |
|----------------------|--|

6.2 Environmental precautions

| | |
|---------------------------|--|
| Environmental precautions | Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas. |
|---------------------------|--|



6.3 Methods and material for containment and cleaning up

Clean-up procedures

Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4 Reference to other sections

Reference to other sections

Refer to section 8 of SDS.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling requirements

Avoid direct contact with the substance. Avoid the formation or spread of dust in the air. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Hazardous ingredients:

NICKEL

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| UK | 0.1 mg/m3 | - | - | - |

DNEL/PNEC Values

DNEL / PNEC

No data available

8.2 Exposure controls

Engineering controls

Ensure there is sufficient ventilation of the area.

Respiratory protection

Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection

Impermeable gloves.

Eye protection

Safety glasses. Ensure eye bath is to hand.

Skin protection

Impermeable protective clothing.

Environmental

Methanol (CAS# 67-56-1) is evolved on curing/hydrolysis CLP classification for Methanol:Flam. Liq. 2; H225 / Acute Tox. 3; H301 / Acute Tox. 3; H311 / STOT SE 1; H370
Occupational exposure limits for methanol
TWA (8 hour exposure limit): 266 mg/m3 (OES)
STEL (15 minute exposure limit): 333 mg/m3 (OES)
TWA (8 hour exposure limit): 2.5 mg/m3 (OES)
STEL (15 minute exposure limit): 2.5 mg/m3 (OES)

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State

Paste

Colour

Dark grey

Odour

Characteristic odour

Evaporation rate

Not applicable.

Oxidising

Not applicable.

Solubility in water

Insoluble

Also soluble in

Acetone. Benzene. Petroleum ether.

Viscosity

Highly viscous

Boiling point/range°C

>35

9.2 Other information

No data available / Not applicable.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Conditions to avoid

Heat. Hot surfaces. Flames.

10.5 Incompatible materials

Materials to avoid

Strong oxidising agents. Strong acids

10.6 Hazardous decomposition products

Haz. decomp. products

In combustion emits toxic fumes.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Hazardous ingredients:

NICKEL

| | | | | |
|-----|-----|------|-----|-------|
| IPR | RAT | LD50 | 250 | mg/kg |
| IVN | MUS | LDLO | 50 | mg/kg |
| ORL | RAT | LDLO | 5 | gm/kg |

Relevant hazards for product

| Hazard | Value type | Value |
|--------------------------------|------------|-----------------------|
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |
| Carcinogenicity | - | Hazardous: calculated |
| STOT-repeated exposure | - | Hazardous: calculated |

Symptoms / routes of exposure

| | |
|-----------------------------|--|
| Skin contact | There may be irritation and redness at the site of contact. |
| Eye contact | There may be irritation and redness. The eyes may water profusely. |
| Ingestion | There may be soreness and redness of the mouth and throat. |
| Inhalation | Exposure may cause coughing or wheezing. |
| Delayed / immediate effects | Delayed effects can be expected after long-term exposure. |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Hazardous ingredients

None

12.2 Persistence and degradability

Persistence and degradability

No data available.

12.3 Bioaccumulative potential

Bioaccumulative potential

No bioaccumulation potential.



12.4 Mobility in soil

Mobility

No data available.

12.5 Results of PBT and vPvB assessment

PBT identification

This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects

Negligible ecotoxicity.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations
Waste code number
Disposal of packaging
NB

Transfer to a suitable container and arrange for collection by specialised disposal company.

08 04 10

Dispose of as normal industrial waste.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14 TRANSPORT INFORMATION

Transport class

Transport class

This product does not require a classification for transport.

15 REGULATORY INFORMATION

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

Specific regulations

Not applicable.

15.2 Chemical safety assessment

Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16 OTHER INFORMATION

Other information

Phrases used in s.2 and s.3:

H225
H317
H351
H372

Highly flammable liquid and vapour.

May cause an allergic skin reaction.

Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.