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

Product Detail :	3991 Nickel graphite filled conductive, 1-component sealing
Color:	Grey
Chemical family:	Nickel coated graphite filled silicone adhesive
Manufacturer / supplier:	Holland Shielding Systems B.V. Jacobus Lipsweg 124 3316 BP Dordrecht the Netherlands phone +31(0)78-2049000 www.hollandshielding.com info@hollandshielding.com

NVIC Netherland, National Poison Information Center, Tel: +31 (0)30 2748888
(in case of anemergency only to be reached by a medical person)

2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Classification under CLP	STOT RE 1: H372; Carc. 2: H351; Skin Sens. 1: H317
Most important adverse effects	May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard pictogram	
Signal word	Danger
Hazard statement	H317: May cause an allergic skin reaction. H351: Suspected of causing cancer. H372: Causes damage to organs through prolonged or repeated exposure.
Hazard pictograms	GHS07: Exclamation mark GHS08: Health hazard
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+313: IF exposed or concerned: Get medical attention. P314: Get medical attention if you feel unwell. P321: Specific treatment (see instructions on this label).

2.3. Other hazards

Other hazards	Danger of serious damage to health by prolonged exposure.
PBT	This product is not identified as a PBT/vPvB substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures:

Pigment
Solvent

Hazardous ingredients:

NICKEL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-111-4	7440-02-0	-	Carc. 2: H351; STOT RE 1: H372; Skin Sens. 1: H317	50-70%

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

NICKEL
Workplace exposure limits:

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.

Jacobus Lipsweg 124, NL-3316 BP
Dordrecht, The Netherlands
Ph: +31(0)78 - 204 90 00
Fax: +31(0)78 - 204 90 08
info@hollandshielding.com
hollandshielding.com

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	Transfer to a suitable container and arrange for collection by specialised disposal company.
Waste code number	08 04 10
Disposal of packaging	Dispose of as normal industrial waste.
NB	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

Other information	
Phrases used in s.2 and s.3:	
Legal disclaimer:	

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