

SAFETY DATA SHEET

NCC-3 CERAMIC CEMENT

www.vpgsensors.com
Date of issue: 16/11/2022
Date of First Issue: 29/09/2016
Version 2.0

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

- 1.1 Product identifier**
Product name NCC-3 Ceramic Cement
Product code Not applicable
Unique Formula Identifier (UFI) Not applicable
Nanoform The product does not contain nanoparticles.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Bonding strain gages to a component
Uses advised against For professional users only.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification VISHAY MEASUREMENTS GROUP GMBH
Tatschenweg 1
74078 Heilbronn
Deutschland
Telephone +49 (0) 7131 39099-0
Fax +49 (0) 7131 39099-229
E-mail (competent person) mm.de@vpgsensors.com
- 1.4 Emergency telephone number**
National Poisons Information Service (United Kingdom) +44 (0) 3448 920111 24 hr. emergency phone number
NHS 24 111 Healthcare Professionals ONLY
Emergency Phone No. (00-1) 703-527-3887 Members of Public
Language(s) spoken: All official European languages. CHEMTREC (24 hours)

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)** Not classified as hazardous for supply.
- 2.2 Label elements** According to Regulation (EC) No. 1272/2008 (CLP)
Product name NCC-3 Ceramic Cement
Contains: Not applicable.
Hazard Pictogram(s) None assigned
Signal Word(s) None assigned
Hazard Statement(s) None assigned
Precautionary Statement(s) None assigned
Supplemental information Not applicable.
- 2.3 Other hazards** None Known.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances**
not applicable
- 3.2 Mixtures**

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No component of this mixture is included above the relevant concentration levels detailed within section 3.2.1 of SDS regulation 2020/878. Not hazardous according to current CLP Regulations.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes. Contaminated clothing should be laundered before reuse.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops and persists, get medical attention. Remove clothing and wash thoroughly before use. Wash affected skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Skin contact

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Eye contact

Ingestion

Rinse mouth. Give plenty of water to drink. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

None Known.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

As appropriate for surrounding fire. Extinguish preferably with foam, carbon dioxide or dry chemical.

Unsuitable extinguishing media

Direct water jet may spread the fire.

5.2 Special hazards arising from the substance or mixture

Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. (Carbon monoxide, Carbon dioxide).

5.3 Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Eliminate sources of ignition. Shut off leaks if without risk. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapours.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.

6.4 Reference to other sections

See Section: 8, 13

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

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- 7.2 Conditions for safe storage, including any incompatibilities**
storage temperature
Incompatible materials
- 7.3 Specific end use(s)**
- Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.
Keep cool. Protect from sunlight. Store at ambient temperature. 4 – 26°C
Stable under normal conditions
See Section: 1.2

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational exposure limits

United Kingdom




SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Talc, respirable dust	14807-96-6	-	1	-	-	

Source: UK WEL: Workplace Exposure Limit (UK HSE EH40)

Ireland

SUBSTANCE	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		Notes
		ppm	mg/m ³	ppm	mg/m ³	
Talc Total inhalable dust respirable dust	14807-96-6	-	10	-	-	-
		-	0.8	-	-	-

Source: 2021 Code of Practice for Safety, Health and Welfare at Work (Chemical Agents) Regulation (2001 – 2021) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001 – 2019); Health and Safety Authority

- 8.1.2 Biological Limit Value** Not established
- 8.1.3 PNECs and DNELs** Not established
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Ensure adequate ventilation Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.
- 8.2.2 Individual protection measures, such as personal protective equipment**
- Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place.
- Eye / face protection  Use eye protection according to EN 166, designed to protect against liquid splashes.
- Skin protection  Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse.
- Respiratory protection  Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type A (EN141 or EN405) may be appropriate.
- Thermal hazards Not applicable

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8.2.3 Environmental exposure controls Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Physical state	Liquid
Colour	colourless - white
Odour	odourless
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	100°C
Flammability	Not flammable
Lower and upper explosion limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	3.1-3.9
Kinematic viscosity	No data available
Solubility	Partially soluble (Water)
Partition coefficient: n-octanol/water (log value)	Not applicable - Mixture
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density	No data available
Particle characteristics	not applicable - Liquid
9.2 Other information	No data available

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	None anticipated. Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.
10.4 Conditions to avoid	Heat and direct sunlight
10.5 Incompatible materials	Strong oxidising agents, Acids, Bases
10.6 Hazardous decomposition products	Combustion products: Carbon monoxide, Carbon dioxide

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Acute toxicity - inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (dust/mist)
Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Skin corrosion/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Mixture: Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitisation	Mixture: Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
STOT - single exposure	Mixture: Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Mixture: Based upon the available data, the classification criteria are not met.
Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.
11.2 Information on other hazards	

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- 11.2.1 Endocrine disrupting properties This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
- 11.2.2 Other information None Known.

12. SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture): >100 mg/l.
- 12.2 Persistence and degradability No data for the mixture as a whole.
- 12.3 Bioaccumulative potential No data for the mixture as a whole.
- 12.4 Mobility in soil The substance is predicted to have low mobility in soil. Partly soluble in water.
- 12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.
- 12.6 Endocrine disrupting properties This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
- 12.7 Other adverse effects None Known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

- | | ADR/RID | IMDG | IATA/ICAO |
|--|---------------------------|---------------------------------------|---------------------------|
| 14.1 UN number or ID number | None assigned | None assigned | None assigned |
| 14.2 UN proper shipping name | None assigned | None assigned | None assigned |
| 14.3 Transport hazard class(es) | None assigned | None assigned | None assigned |
| 14.4 Packing group | None assigned | None assigned | None assigned |
| 14.5 Environmental hazards | Not classified | Not classified as a Marine Pollutant. | Not classified |
| 14.6 Special precautions for user | See Section: 2 | | |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available. | No information available. | No information available. |
| 14.8 Additional information | | | |

15. SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.1.1 EU regulations
- Authorisations and/or restrictions on use Not restricted
- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive] Not applicable
- Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] This substance/mixture does not contain any volatile organic compounds in the sense of Directive 2010/75/EU.
- To follow: Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work
- 15.1.2 National regulations
- Germany Water hazard class: 1 (Self classification)
- 15.2 Chemical Safety Assessment A REACH chemical safety assessment has not been carried out.

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16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: V2.0 - New SDS Regulation 2020/878 format, all sections have been updated to include new information. Please review SDS with care.

Sections indicated with the following have been revised:

References:

Existing Safety Data Sheet (SDS)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	vPvB: very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.



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