



## MATERIAL SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** **NORDBAK HIGH TEMPERATURE BRUSHABLE CERAMIC RESIN**

**Proper Shipping Name:** None allocated

**Part Number(s):** 42088

**Product Code(s):** 978760 (1kg kit)

**Use:** Two-part epoxy adhesive. NORDBAK HIGH TEMPERATURE BRUSHABLE CERAMIC RESIN is used in conjunction with NORDBAK HIGH TEMPERATURE BRUSHABLE CERAMIC HARDENER.

**Supplier:** HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996  
TECHNOLOGIES  
135-141 Canterbury Road, Kilsyth, Victoria, 3137. Tel: (03) 9724 6444  
24 HOUR EMERGENCY CONTACT NUMBER Tel: (03) 9724 6556

### SECTION 2. HAZARDS IDENTIFICATION

#### STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of ASCC. This material has been classified as Irritant (Xi)

#### Risk phrase(s):

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

#### Safety phrase(s):

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap suds.

S37/39 Wear suitable gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

#### DANGEROUS GOODS INFORMATION:

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**SUSDP POISON SCHEDULE:** 5

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
4,4' - Methylenebis(N,N-diglycidylaniline)	[28768-32-3]	30-60% w/w
Silicon carbide	[409-21-2]	30-60% w/w
Trimethylolpropane, (chlororomethyl) oxirane	[30499-70-8]	10-30% w/w
Iron oxide	[1309-37-1]	1-5% w/w
Crystalline silica	[14464-46-1]	<1% w/w
Castor oil		1-5% w/w
Organophilic clay		1-5% w/w

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### SECTION 4. FIRST AID MEASURES

- Ingestion:** If swallowed, **do not** induce vomiting. Seek medical attention or contact a Poisons Information Centre (Phone 13 11 26).
- Skin:** Remove contaminated clothing and wash affected areas with plenty of soap and water. If irritation occurs, seek medical attention.
- Eyes:** Hold eyes open and flush with water for at least 15 minutes. Seek medical attention or contact a Poisons Information Centre (Phone 13 11 26).
- Inhalation:** If inhaled, remove from contaminated area. For all but the most minor symptoms, arrange for patient to be seen by a doctor.
- Advice to doctor:** Treat symptomatically.
- First Aid facilities:** Eye wash and safety shower (recommended)

### SECTION 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide, foam, dry chemical.

**Hazards from combustion products:** Combustible paste. In a fire, it will emit oxides of carbon, oxides of nitrogen, ammonia and other toxic fumes.

**Precautions for fire fighters and special protective equipment:** Closed containers may rupture if exposed to extreme heat. If there is a risk of exposure to products of combustion, then fire-fighters should wear full protective clothing and self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Wear impervious gloves, chemical goggles and waterproof boots. For small spills, wipe up with a cloth. For larger spills, contain and collect spillage with inert absorbent materials (e.g. sand, earth, vermiculite). Transfer to sealable containers suitable for storing spilled material. Use a polar organic solvent or detergent and excess water to clean up areas in contact with spilled material. Do not contaminate watercourse. Dispose of residues in chemical waste disposal area in accordance with relevant State and Federal requirements.

### SECTION 7. HANDLING AND STORAGE

**Safe Handling:** Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Wear neoprene gloves and chemical splash goggles. Upon mixing the resin with hardener, the adhesive will release heat and begin to cure. Keep away from sources of ignition. Do not cut or heat empty containers, as they may contain product residue.

**Storage:** Store indoors in a cool, dry, well ventilated area away from heat, sparks and flames. Keep containers sealed when not in use. Protect from physical damage. For optimum shelf life, store in original containers at temperatures between 8°C and 21°C.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National exposure standards:** None established

**Engineering controls:** A local mechanical exhaust system is required where vapour or mist is being generated.



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**Personal protective equipment:** Avoid contact with skin and eyes. Wear overalls, enclosed footwear, neoprene gloves and safety glasses or splash goggles. Use in a well ventilated area. If inhalation risk exists, wear a respirator complying with the requirements of AS 1715 and AS 1716.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical data:**

Appearance:	Grey paste
Specific gravity:	1.67
Solubility:	Insoluble in water
Flash point:	>93°C

### SECTION 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions of temperature and pressure.

**Conditions to avoid:** Avoid strong heat, ignition sources and open flames.

**Incompatible materials:** Keep away from acids, bases, amines and oxidising agents.

**Hazardous decomposition products:** When heated to decomposition, it will emit oxides of carbon, oxides of nitrogen, ammonia and other toxic fumes.

**Hazardous reactions:** Under normal conditions, hazardous polymerisation will not occur. However exothermic polymerisation will occur with epoxy curing agents.

### SECTION 11. TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS:**

**Acute:**

Ingestion: If swallowed, this product will cause irritation to the mouth, throat and digestive tract.

Skin: Contact with the skin will cause irritation. This product may cause skin sensitisation in susceptible individuals.

Eyes: Contact with the eyes can cause severe irritation.

Inhalation: Inhalation of vapour may cause irritation to the nose and throat. Symptoms can include coughing and sneezing.

**Chronic:** Repeated skin contact may lead to dermatitis.

**Toxicity information:** None available.

### SECTION 12. ECOLOGICAL INFORMATION

Do not contaminate waterways and soil. This material may cause harmful effects to aquatic organisms.

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be undertaken by a registered chemical disposal company. Empty containers should be cleaned by a registered contractor and then recycled or disposed of at an approved land waste site.

### SECTION 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

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### SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: 5

### SECTION 16. OTHER INFORMATION

**Abbreviations/acronyms:**

ASCC - Australian Safety and Compensation Council

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons

**DISCLAIMER:**

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel Australia Pty. Limited concerning the properties of the material.

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