



SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: LOCTITE COPPER MAXX® 5920 SILICONE

Proper Shipping Name: None allocated.

Use: Silicone sealant.

Supplier: HENKEL NEW ZEALAND LIMITED
2 ALLENS ROAD, EAST TAMAKI, AUCKLAND.
PHONE (09) 272 6710 FAX (09) 272 6711.

Emergency Contact Details: 0800 CHEMCALL (0800 243 622)
For any Hazardous Substance Emergency
(24 hours, 365 days)

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:
Hazardous according to the criteria of HSNO.

HSNO CLASSIFICATION:

6.3A Warning, causes skin irritation.
6.4A Warning, causes serious eye irritation.
6.5B Warning, may cause an allergic skin reaction.
6.7B Warning, suspected of causing cancer.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P103 Read label before use.
P104 Read Safety Data Sheet before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264 Wash hands, arms and face thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear suitable protective equipment. Refer to Section 8.
P281 Use personal protective equipment as required.

RESPONSE:

P302+P352 **IF ON SKIN:** Wash with plenty of soap and water.
P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/attention.
P321 Refer Section 4 of this Safety Data Sheet for more information.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before re-use.

DANGEROUS GOODS INFORMATION:

Not classified as Dangerous Goods according to the criteria of the New Zealand Code for the Transport of Dangerous Goods on Land (NZS5433:Part 2:2007).



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Silicone resins	Proprietary	40-90% w/w
Oximino silane	Proprietary	5-10% w/w
Other ingredients determined not to be hazardous		to 100% w/w

SECTION 4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Skin:	Wipe off paste with paper towel or cloth. Wash with soap and water.
Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Inhalation:	Remove to fresh air. If discomfort persists seek medical attention.
Advice to doctor:	Treat symptomatically.
First Aid facilities:	Eye wash and normal washroom facilities.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use foam, dry chemical or carbon dioxide.
Hazardous decomposition products:	Oxides of carbon, oxides of silicon and formaldehyde.
Precautions for fire fighters and special protective equipment:	If there is a risk of exposure to products of combustion, fire fighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Do not flush into surface water or sanitary sewer system. Scrape up as much material as possible. Maintain good ventilation for large spills. Store in a partly filled, closed container until disposal.

SECTION 7. HANDLING AND STORAGE

Safe Handling: Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation.

Storage: Store indoors in a cool, dry, well-ventilated area. Keep containers sealed when not in use. Protect from physical damage and sunlight. Keep away from heat sources and open flames. Store at or below 32°C. Do not allow product to come in contact with water during storage.



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: None established.

Engineering controls: None required under normal conditions of use, but if processing fumes are produced, use a local mechanical exhaust system.

Personal protective equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Use with adequate ventilation when product is heated. Wear overalls, safety footwear, impervious gloves and safety glasses with side shields. If inhalation risk exists from exposure to processing fumes, wear a respirator complying with the requirements of AS/NZS 1715 and 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: Copper paste.
Odour: Mild.
Vapour pressure: < 5mmHg @ 20°C
Specific gravity: 1.31 @ 20°C
Solubility in water: Polymerises in the presence of water.

SECTION 10. STABILITY AND REACTIVITY

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

Conditions to avoid: Avoid contact with moisture. Avoid heating this product to temperatures greater than 150°C.

Incompatible materials: Polymerizes on contact with water. Keep away from oxidising agents, acids and bases.

Hazardous decomposition products: Methyl ethyl ketoxime formed during curing. Thermal decomposition products can include oxides of carbon, oxides of silicon and formaldehyde.

Hazardous reactions: Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: Not expected under normal conditions of use. May be harmful if swallowed.

Skin: Brief contact with the uncured adhesive may irritate the skin or cause a rash. Repeated or prolonged contact may cause burns.

Eyes: Vapors may irritate eyes. Contact with eyes will cause irritation. Repeated or prolonged contact may cause burns.

Inhalation: Vapors and mists will irritate the respiratory tract and nasal passages. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit. The silane is a skin and eye irritant and prolonged contact may cause eye and skin burns. The low concentration makes such overexposure unlikely and minimizes its effect on health and safety.

Chronic: This product forms methyl ethyl ketoxime during curing, for which there is limited evidence of a carcinogenic effect based on animal data. When heated to temperatures exceeding 150° C in the presence of air, silicones may form



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formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer.

Toxicity information: None available.

SECTION 12. ECOLOGICAL INFORMATION

Potential Environmental Interactions: Refer to Local Land Waste Management Authority. No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

HSNO Ecotoxicity: None.

Toxicity: No data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Cured rubber can be incinerated or landfilled following local regulations.

SECTION 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the criteria of the New Zealand Code for the Transport of Dangerous Goods on Land (NZS5433:Part 2:2007).

SECTION 15. REGULATORY INFORMATION

HSNO Approval Code: HSR002679 - Surface Coatings and Colourants (Toxic [6.7]) Group Standard 2006

HSNO Controls: Trigger quantities beyond which site and storage conditions apply

	Trigger quantity
Response plans and secondary containment	1,000 L or 1,000 kg
Signage	Not applicable

Any location at which a substance is manufactured or stored in quantities that exceed those set out in the table must comply with the relevant conditions as set out in the document entitled *Site and Storage Conditions for Toxic, Corrosive and Ecotoxic Substances* published by ERMA, July 2006.

Workplace Exposure Standards: None established.

SECTION 16. OTHER INFORMATION

DATE OF SDS:

14.08.08

REVISION OF:

27.06.07

IDH NO: 287437



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Abbreviations/acronyms:

NOHSC - National Occupational Health and Safety Commission
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
NFPA - National Fire Protection Agency
HSNO - Hazardous Substances and New Organisms
AS - Australian Standard
NZS - New Zealand Standard
TWA - Time-weighted average
TLV - Threshold limit value
STEL - Short-Term Exposure Limit
NOS - Not Otherwise Specified
LD₅₀ - Lethal Dose - 50%. The dose of a chemical that will kill 50% of the test animals receiving it.
LC₅₀ - Lethal Concentration - 50%. The concentration of a chemical in air or water that will kill 50% of the test organisms.
LCL_o - Lowest Lethal Concentration. The lowest concentration of a chemical in air or water reported to have caused the death of animals or humans.

Reference(s):

1. Preparation of Safety Data Sheets: Approved Code of Practice Under the HSNO Act 1996, HSNO CoP 8-1 09-06, New Zealand Chemical Industry Council, September 2006.
2. Workplace Exposure Standards, Occupational Safety and Health Service, Department of Labour, Revised January 2001.

DISCLAIMER:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel New Zealand 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 New Zealand Limited concerning the properties of the material. The information contained in this Safety Data Sheet is offered in good faith and has been developed from what is believed to be accurate and reliable sources. The information is offered without warranty, representation, inducement or licence and Henkel New Zealand Limited assumes no legal responsibility for reliance upon same. Henkel New Zealand Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Safety Data Sheet.

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