

## Section 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Ensystem Australasia Pty Ltd  
Unit 3, The Junction Estate  
AUBURN, NSW 2144  
13 35 36 (all hours)

**Chemical nature:** Blend of silicones and other ingredients in a gel.  
**Trade Name:** **NO MORE SOLDER**  
**Product Use:** Sealant and adhesive.  
**Creation Date:** **September, 2018**  
**This version issued:** **January, 2022** and is valid for 5 years from this date.

## Section 2 - HAZARDS IDENTIFICATION

### Statement of Hazardous Nature

This product is classified as: Xi, Irritating. Hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R36, R43, R52/53. Irritating to eyes. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases:** S28, S24/25, S37/39, S51, S61. After contact with skin, wash immediately with plenty of soap and water. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. Use only in well ventilated areas. Avoid release to the environment. Refer to special instructions/safety data sheet.

**SUSMP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated.



**GHS Signal word:** **WARNING**

### HAZARD STATEMENT:

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

### PREVENTION

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264: Wash skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/ eye protection/ face protection.

### RESPONSE

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.

P337+P313: If eye irritation persists: Get medical advice/ attention.

P363: Wash contaminated clothing before reuse.

### STORAGE

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

### DISPOSAL

P501: If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

## SAFETY DATA SHEET

Issued by: Ensystem Australasia Pty Ltd

Phone: 13 35 36 (ALL HOURS)

**Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)**

## Emergency Overview

**Physical Description & colour:** Grey paste.

**Odour:** Mild odour.

**Major Health Hazards:** Possible skin sensitiser.

Manufacturer advises the silicone ingredients in this product (see ingredients below) are potential skin sensitisers.

## Potential Health Effects

### Inhalation:

**Short term exposure:** This product is not likely to cause adverse effects in normal use.

**Long Term exposure:** No data for health effects associated with long term inhalation.

### Skin Contact:

**Short term exposure:** Classified as a potential sensitiser by skin contact. Exposure to a skin sensitiser, once sensitisation has occurred, may manifest itself as skin rash or inflammation, and in some individuals this reaction can be severe. In addition product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

**Long Term exposure:** No data for health effects associated with long term skin exposure.

### Eye Contact:

**Short term exposure:** Causes serious eye irritation.

**Long Term exposure:** No data for health effects associated with long term eye exposure.

### Ingestion:

**Short term exposure:** Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes.

**Long Term exposure:** No data for health effects associated with long term ingestion.

### Carcinogen Status:

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Silicon dioxide	7631-86-9	< 10	2	not set
2-Butanone, O,O',O"- (methylsilylidyne)trioxime	22984-54-9	< 10	not set	not set
Distillates (petroleum), hydrotreated middle	64742-46-7	< 10	5	not set
Hydrocarbons, C15-C20, nalkanes, isoalkanes, cyclics, <0.03% aromatics	64742-46-7	< 10	5	not set
Titanium dioxide	13463-67-7	< 10	10	not set
Vinyltri (methylethylketoxime) silane	2224-33-1	< 3	not set	not set
3-Aminopropyltriethoxysilane	919-30-2	< 1	not set	not set
Methyltri(ethylmethylketoxime)silane isomers and oligomers	Not Assigned	< 1	not set	not set
Propiconazole	60207-90-1	< 1	not set	not set
Other non-hazardous ingredients	various	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

## SAFETY DATA SHEET

## Section 4 - FIRST AID MEASURES

### General Information:

You should call the Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia and is available at all times. Have this SDS with you when you call.

**Inhalation:** Remove to fresh air. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. If exposed person is wearing contact lenses, remove it after the first 5 minutes of flushing and continue washing. Get medical attention.

**Ingestion:** If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.

## Section 5 - FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic, or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Hazardous combustion products are carbon oxides, silicon oxides, copper oxides and nitrogen oxides (NOx).

**Extinguishing Media:** In case of fire, use water-spray, carbon dioxide, dry chemical, or alcohol-resistant foam. Water can be used to cool exposed containers.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade. Cool closed, undamaged containers exposed to fire with water spray.

**Flash point:** Not applicable.

**Upper Flammability Limit:** No data.

**Lower Flammability Limit:** No data.

**Autoignition temperature:** No data.

**Flammability Class:** Not classified as a flammability hazard.

## Section 6 - ACCIDENTAL RELEASE MEASURES

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, nitrile, butyl rubber, neoprene. Eye/face protective equipment should comprise as a minimum, protective glasses or, preferably, goggles.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## Section 7 - HANDLING AND STORAGE

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Keep containers of this product in a well ventilated area. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10.

## SAFETY DATA SHEET

## Section 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Silicon dioxide	2	not set
Titanium dioxide	10	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested. Otherwise use respiratory protection with combined particulate and organic vapour cartridges.

**Eye Protection:** Wear suitable protective glasses or goggles.

**Skin Protection:** Wear chemical resistant gloves. If you believe you may have a sensitisation to this product or any of its declared ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, nitrile, butyl rubber, latex, neoprene, PVC.

**Respirator:** Not normally required.

Do not get on skin or clothing. Do not swallow. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practice. Keep away from water. Protect from moisture. Take care to prevent spills, waste and minimize release to the environment.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Description &amp; colour:</b>	Grey paste.
<b>Odour:</b>	Mild odour.
<b>Boiling Point:</b>	Not available.
<b>Freezing/Melting Point:</b>	No specific data. Paste at normal temperatures.
<b>Volatiles:</b>	No data.
<b>Vapour Pressure:</b>	Not applicable.
<b>Vapour Density:</b>	Not applicable.
<b>Specific Gravity:</b>	0.985.
<b>Water Solubility:</b>	Insoluble.
<b>pH:</b>	Not applicable.
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.
<b>Evaporation Rate:</b>	Not applicable.
<b>Coeff Oil/water distribution:</b>	No data.
<b>Viscosity:</b>	Not applicable.
<b>Autoignition temp:</b>	No data.

## Section 10 - STABILITY AND REACTIVITY

**Reactivity:** Not classified as a reactivity hazard. Water, moisture can cause hazardous vapours to form during application. Hazardous decomposition products are Formaldehyde, Methyl Ethyl Ketoxime.

**Conditions to Avoid:** Do not expose to temperatures above 212 °F/ 100 °C. This product should be kept in a cool place, preferably below 30 °C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated.

**Incompatibilities:** Strong oxidising agents.

**Fire Decomposition:** Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Silicon compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

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## Section 11 - TOXICOLOGICAL INFORMATION

**Toxicity:** Based on information of component(s):

Acute oral: LD<sub>50</sub>, rat > 5,000 mg/kg

Acute dermal: LD<sub>50</sub>, rabbit > 2,000 mg/kg

Skin corrosion/irritation: Brief contact may cause slight skin irritation with local redness. May cause drying and flaking of the skin.

Serious eye damage/eye irritation: May cause moderate eye irritation or/and corneal injury.

Sensitization: A component in this mixture has been shown to be a skin sensitizer. No relevant information found on respiratory sensitization.

Available data suggests that this material is not an STOT-SE, mutagenicity, reproductive toxicity, or teratogenicity.

Based on physical properties, not likely to be an aspiration hazard.

Contains component(s) which have been reported to cause effects on blood and liver in animals. Laboratory experiments on rodents have shown methylethylketoxime (MEKO), which may evolve if exposed to moisture during application, may temporarily affect the blood's ability to transport oxygen (methaemoglobinaemia). Inhalation in confined areas can reduce the sense of smell (olfactory cells), which is reversible upon removal from exposure. Rodents exposed to chronic MEKO inhalation throughout their lifetimes showed increases in liver tumour rates.

## Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

## Section 12 - ECOLOGICAL INFORMATION

This product is not biodegradable.

## Section 13 - DISPOSAL CONSIDERATIONS

**Disposal:** This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by some means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

## SECTION 14 - TRANSPORT INFORMATION

**ADG Code:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## Section 15 - REGULATORY INFORMATION

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

## Section 16 - OTHER INFORMATION

**This SDS contains only safety-related information. For other data see product literature.**

If there is any conflict between this SDS and the registered label, instructions on the label prevail.

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons

### SAFETY DATA SHEET

**UN Number**

United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

**Please read all labels carefully before using product.**

**SAFETY DATA SHEET**