



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Section 1 - Identification of The Material and Supplier

<b>Supplier</b>	Admil Adhesives Pty Ltd
<b>ABN</b>	850 927 30562
<b>Street Address</b>	80-84 Peters Ave Mulgrave VIC 3170 Australia
<b>Telephone</b>	+61 3 8544 6200
<b>Facsimile</b>	+61 3 9560 6487
<b>Email</b>	<a href="mailto:support@silicone.com.au">support@silicone.com.au</a>
<b>Website</b>	<a href="http://www.silicone.com.au">www.silicone.com.au</a>

### Recommended use and Limitations on use

Sealants

General Purpose sealant

**Trade Name** Prosil 41 LM Matt Neutral Silicone

**Issue Date** 28 March 2018

**This version issued** **28 March 2018** and is valid for 5 years from this date.

**Poisons Information Centre** Phone 13 1126 from anywhere in Australia

### Section 2 - Hazards Identification

**Emergency overview** Causes serious eye irritation. May cause an allergic skin reaction.

#### Hazard categories

**Physical hazards** Not classified.

**Health hazards** Serious eye damage/eye irritation Category 2

Sensitization, skin Category 1

**Environmental hazards** Not classified.

\*Hazards not stated here are "Not classified", "Not applicable" or "Classification not possible".

#### Label elements



#### Pictograms

**Signal word** Warning

**Hazard statement** Causes serious eye irritation. May cause an allergic skin reaction.



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Precautionary statement

**Prevention** Do not breathe dust/fume/gas/mist/vapours/spray. Wear eye protection/face protection. Wear protective gloves. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

**Response** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Physical and chemical hazards** Not available.

Prolonged inhalation may be harmful. May cause an allergic skin reaction. Expected to be a low ingestion hazard. Causes serious eye irritation.

### Health hazards

**Environmental hazards** Not available.

This product reacts with water, moisture or humid air to evolve following compounds:

Methylethylketoxime

### Other hazards

**Supplemental information** None.

## Section 3 - Composition/Information on Ingredients

### Substance/Mixture

Chemical name	Concentration (%)	CAS Number
Oximesilane	1 - 3	34036-80-1
Methyloximesilane	1 - 3	22984-54-9
Alkoxysilane	0.3 - 1	1760-24-3
Carbon black	0.3 - 1	1333-86-4
Methylethylketoxime(Impurity)	< 1	96-29-7
Decomposition	Concentration (%)	CAS Number
Methylethylketoxime		96-29-7



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Section 4 - First Aid Measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist. Remove contaminated clothing immediately and wash skin with soap and water.
<b>Skin contact</b>	For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>Eye contact</b>	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention immediately. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

#### Most important symptoms and health effects

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### Section 5 - Firefighting Measures

<b>Extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Extinguishing media to avoid (corrosive)</b>	None known. By heating and fire, harmful vapours/gases may be formed. Nitrogen oxides.
<b>Specific hazards</b>	
<b>Special firefighting</b>	Move containers from fire area if you can do so without risk.
<b>Procedures</b>	
<b>Protection of fire-fighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

### Section 6 - Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.

**For emergency responders** Not available.

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

#### Clean-up methods and materials and containment measures

Eliminate sources of ignition. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

**Prevention of secondary Hazards** No specific precautions.



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Section 7 - Handling and Storage

#### Handling

Provide adequate ventilation. Use care in handling/storage. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid contact with skin. Avoid contact with eyes. Do not breathe mist or vapor. Avoid prolonged exposure.

#### Storage

Keep container tightly closed. Keep out of the reach of children. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). Keep in original container.

### Section 8 - Exposure Controls and Personal Protection

#### Exposure limits

**China OELs. Occupational Exposure Limits for Hazardous Agents in the Workplace, Chemical Hazardous Agents (GBZ2.1-2007)**

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Carbon black (CAS 1333-86-4)	PC-TWA	4 mg/m <sup>3</sup>	Total dust.

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Control parameters **Methylethylketoxime** (Impurity) (96-29-7)

Vendor guide; 3ppm (TWA), 10ppm (STEL)

※ AIHA WEEL (); 10ppm (TWA)

※ AIHA WEEL; American Industrial Hygiene Association Workplace Environmental

Exposure Level

**Engineering measures Provide** adequate general and local exhaust ventilation. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and/or door open for at least 24 hours after application.



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Personal protective equipment

**Respiratory protection** When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators.

**Hand protection** Wear protective gloves.

**Eye protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear suitable protective clothing

**Hygiene measures** Avoid contact with skin. Avoid contact with eyes. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice.

### Section 9 - Physical and Chemical Properties

<b>Appearance Form</b>	Paste.
<b>Colour</b>	Black.
<b>Odour</b>	Oxime odour
<b>pH</b>	Not measurable (Refer to water solubility)
<b>Melting point/freezing point</b>	No data
<b>Boiling point, initial boiling point, and boiling range</b>	Not applicable
<b>Flash point</b>	> 143.6 °F (> 62 °C) Closed Cup
<b>Auto-ignition temperature</b>	Not available.
<b>Flammability limit - lower (%)</b>	No data
<b>Flammability limit - upper (%)</b>	No data
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Negligible (25 °C)
<b>Vapor density</b>	> 1 (air=1)
<b>Evaporation rate</b>	< 1 (Butyl Acetate=1)
<b>Relative density</b>	1.33
<b>Density</b>	Not available.
<b>Solubility</b>	Not soluble
<b>Partition coefficient (n-octanol/water)</b>	Not applicable
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not applicable
<b>Molecular weight</b>	Not applicable



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Section 10 - Stability and Reactivity

<b>Reactivity</b>	No hazardous reaction known under normal conditions of use, storage and transport.
<b>Stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None.
<b>Incompatible materials</b>	Strong oxidizing agents. Water, moisture.
<b>Hazardous decomposition products</b>	This product reacts with water, moisture or humid air to evolve following compounds: Methylethylketoxime. Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. Formaldehyde.

### Section 11 - Toxicological Information

#### Acute toxicity

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
-------------------	----------------	---------------------

Alkoxysilane (CAS 1760-24-3)

#### Dermal Acute

LD50	Rabbit	> 2000 mg/kg	16 ml/kg
------	--------	--------------	----------

#### Oral

LD50	Rat	2995 mg/kg	2400 mg/kg
------	-----	------------	------------

Methylethylketoxime (Impurity) (CAS 96-29-7)

#### Dermal Acute

LD50	Rabbit	> 1000 mg/kg (Male and female)
------	--------	--------------------------------

#### Inhalation

*Vapor*

LC50	Rat	> 4.83 mg/l, 4 hours (Male and female)
------	-----	--

#### Oral

LD50	Rat	> 900 mg/kg (Male and female)	2326 mg/kg (Male)
------	-----	-------------------------------	-------------------

<u>Decomposition</u>	<u>Species</u>	<u>Test Results</u>
----------------------	----------------	---------------------

Methylethylketoxime (CAS 96-29-7)

#### Acute Dermal

LD50	Rabbit	> 1000 mg/kg (Male and female)
------	--------	--------------------------------

#### Inhalation

*Vapor*

LC50	Rat	> 4.83 mg/l, 4 hours (Male and female)
------	-----	--

#### Oral

LD50	Rat	> 900 mg/kg (Male and female)	2326 mg/kg (Male)
------	-----	-------------------------------	-------------------



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

<b>Routes of exposure</b>	Inhalation. Ingestion. Skin contact. Eye contact.
<b>Symptoms</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.
<b>Skin corrosion/irritation</b>	SKIN-RABBIT: Moderately irritating [Alkoxysilane]
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation. [Methyloximesilane] EYE-RABBIT: 15mg SEVERE [Alkoxysilane] Causes serious eye damage. [Methylethylketoxime]
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitizer</b>	May cause an allergic skin reaction. [Oximesilane] [Methyloximesilane] [Methylethylketoxime] Positive (Guinea pig) [Alkoxysilane]
<b>Germ cell mutagenicity</b>	Negative (Ames test, Chromosome analysis, Micronucleus test) [Alkoxysilane]
<b>Carcinogenicity</b>	Suspected of causing cancer. [Methylethylketoxime]

The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards of the following material.

Carbon black.

### China OELs for hazardous agents in the workplace: Carcinogen Category

CARBON BLACK DUST (TOTAL) (CAS 1333-86-4) Possible human carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

**Toxic to reproduction** Developmental toxicity: NOAEL 500mg/kg/day (Rat), Maternal toxicity: NOAEL 500mg/kg/day (Rat) [Alkoxysilane]

**Specific target organ toxicity following single exposure:** Not available.

**Specific target organ toxicity following repeated exposure** May cause damage to the following organs through prolonged or repeated exposure: Hematopoietic system. [Methyloximesilane]

<b>Aspiration hazard</b>	Not available.
<b>Chronic effects</b>	Hazardous by WHMIS criteria. Hazardous by OSHA criteria.
<b>Other information</b>	Additional Information - Methyl Ethyl Ketoxime (MEKO). Material will generate MEKO on exposure to humid air gradually. Male rodents exposed to MEKO vapor at high concentration throughout their lifetime developed liver cancer. But relevance to humans is uncertain now. Please read the detail information to MEKO below
<b>Skin Irritation;</b>	Causes mild irritation. Can be absorbed through the skin.
<b>Eyes Irritation;</b>	Causes severe irritation.
<b>Acute Oral Tox. ;</b>	LD50(rat)= >900mg/kg.
<b>Acute Dermal Tox. ;</b>	LD50(rabbit)= >1000mg/kg.
<b>Acute Inhalation Tox.;</b>	LC50(rat) > 4.83mg/l/4Hr
<b>Inhalation Tox. ;</b>	Shows narcotic action at high concentration. May produce blood effects
<b>Skin Sensitization;</b>	Positive (guinea pig)
<b>Neurotoxicity;</b>	High dose can produce transient and reversible change in neurobehavioral function.
<b>Carcinogenicity;</b>	Liver carcinomas were observed in a lifetime inhalation study (ca.2 years) in which mice and rats were exposed.
<b>Other Chronic Study;</b>	Degenerative effects on the olfactory epithelium of nasal passages occurred in a concentration related manner in males and females of mice and rats at MEKO concentration of 15, 75 and 375ppm. The significant change in haematological parameters were observed at 404ppm concentration.



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

**Workplace Environmental Exposure Level;** Vendor guide; 3ppm (TWA), 10ppm (STEL), AIHA WEEL; 10ppm (TWA)

### Section 12 - Ecological Information

#### Ecotoxicological data

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Alkoxysilane (CAS 1760-24-3)		
<b>Aquatic</b>		
Algae		
EbC50	Green algae (Selenastrum capricornutum)	5.5 mg/l, 72 hr
ErC50	Green algae (Selenastrum capricornutum)	8.8 mg/l, 72 hr
Crustacea		
EC50	Daphnia magna	90 mg/l, 48 hr 81 mg/l, 48 hr
NOEC	Daphnia magna	> 1 mg/l, 21 day
Fish		
LC50	Brachy danio rerio	597 mg/l, 96 hr
Methylethylketoxime (Impurity) (CAS 96-29-7)		
<b>Aquatic</b>		
Fish		
LC50	Fathead minnow (Pimephales promelas)	777 - 914 mg/l, 96 hours

<u>Decomposition</u>	<u>Species</u>	<u>Test Results</u>
----------------------	----------------	---------------------

Methylethylketoxime (CAS 96-29-7)		
<b>Aquatic</b>		
Fish		
LC50	Fathead minnow (Pimephales promelas)	777 - 914 mg/l, 96 hours
<b>Ecotoxicity</b>	Toxic to aquatic life. [Alkoxysilane]	
<b>Persistence and degradability</b>	Cause easily hydrolysis in water or atmosphere. [Alkoxysilane]	
<b>Bioaccumulation</b>	No data available.	
<b>Mobility in soil</b>	No data available.	
<b>Other hazardous effects</b>	Not available	





# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Section 13 - Disposal Considerations

#### Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

#### Local disposal regulations

Not hardening substance: Incinerate. Incinerator should be appropriately equipped for silica and other fine powder which the product will generate in incineration. Workers should wear appropriate personal protective equipment(s) such as respirator.

Hardening substance: Bury or incinerate. Incinerator should be appropriately equipped for silica and other fine powder which the product will generate in incineration. Workers should wear appropriate personal protective equipment(s) such as respirator.

Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 14 - Transport Information

**CNDG** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This product is not intended to be transported in bulk.

### Section 15 - Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the substance or Mixture  
National and local regulations must be observed. For information on labelling please refer section 2

Standard for the Uniform Scheduling of Medicines and Poisons; SUSMP  
No poison schedule number allocated

#### Details of International Registration Status

Relevant information about components of this product are reported in the following inventories:

Australia **AICS** (Australian Inventory of Chemical Substances):  
This product is listed in, or complies with, the substance inventory.

People's Republic of China **IECSC** (Inventory of Existing Chemical Substances in China):  
This product is listed in, or complies with, the substance inventory.

European Economic Area (EEA) **REACH** (Regulation (EC) No 1907/2006):  
General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.



# SAFETY DATA SHEET

## Prosil 41 LM Matt Neutral Silicone

Version 3  
Issued: 28 March 2018

### Section 16 - Other Information

#### Glossary of Terms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>IATA Regs</b>	International Air Transport Association (IATA) Dangerous Goods Regulations
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS No.</b>	Chemical Abstracts Service Registry Number
<b>ES_AU</b>	Occupational exposure standard in Australia
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>IMDG</b>	International Maritime Dangerous Goods Code
<b>NOHSC</b>	Australian National Occupational Health and Safety Commission (Note: NOHSC documents are now published by Safe Work Australia)
<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
<b>UN Number</b>	United Nations Number

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

- End of Safety Data Sheet -