



# Safety Data Sheet

according to WHS Regulations

Printing date 31.07.2017

Revision: 31.07.2017

## 1 Identification

**Product Name: GASKET & FLANGE SEALANT 50ml - 50515**

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Sealant

**Details of Manufacturer or Importer:**

AFC International Pty Ltd  
21-23 Hobart Street,  
Riverstone NSW 2765

**Phone Number:** +61 2 9627 7125

**Emergency telephone number:** +61 2 9627 7125

## 2 Hazard(s) Identification

### Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



corrosion

Skin Corrosion/Irritation 1A

H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1

H318 Causes serious eye damage.



environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



Acute Toxicity (Inhalation) 4

H332 Harmful if inhaled.

STOT SE 3

H335 May cause respiratory irritation.

Aquatic Acute 2

H401 Toxic to aquatic life.

**Signal Word** Danger

### Hazard Statements

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary Statements

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

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

P273 Avoid release to the environment.

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

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P321 Specific treatment (see on this label).
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

### 3 Composition and Information on Ingredients

#### Chemical Characterization: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Hazardous Components:

25852-47-5	Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]- ⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335	20 - 40%
79-10-7	Acrylic acid ⚠ Flammable Liquids 3, H226; ⚠ Skin Corrosion/Irritation 1A, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332	5 - 7%
80-15-9	$\alpha,\alpha$ -dimethylbenzyl hydroperoxide, Cumene hydroperoxide ⚠ Organic Peroxides E, H242; ⚠ Acute Toxicity (Inhalation) 3, H331; ⚠ STOT RE 2, H373; ⚠ Skin Corrosion/Irritation 1B, H314; Serious Eye Damage/Irritation 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Flammable Liquids 4, H227; Aquatic Acute 2, H401	1 - 3%

#### Additional information:

This product also contains 50 - 60% polyurethane methacrylate resin, CAS No. not supplied.

### 4 First Aid Measures

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

#### Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

#### Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

#### Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

#### Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Skin Contact: Causes severe skin burns.

Eye Contact: Causes serious eye damage.

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Ingestion: May cause burns to the mouth, throat and stomach.

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Water fog, alcohol foam or carbon dioxide.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and other toxic or irritating compounds.

Product is not flammable, but closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

Mouth respiratory protective device.

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and scrape up spill or absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

## 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Contaminated work clothing must not be allowed out of the workplace. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from metal powders, metal salts, amines, inert gases and oxidising agents.

Recommended storage temperature: &lt;25 . Protect from temperatures above 38 . Protect from freezing.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:****79-10-7 Acrylic acid**

WES	TWA: 5.9 mg/m <sup>3</sup> , 2 ppm
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**Engineering Controls:****Respiratory Protection:**

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Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Vinyl or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Paste
<b>Colour:</b>	Purple
<b>Odour:</b>	Low odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	>149 °C
<b>Flash Point:</b>	>93 °C (Pensky-Martens CC)
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	<7 hPa
<b>Relative Density:</b>	~1.1
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	Viscous paste
<b>Organic solvents:</b>	0.0 %

### 10 Stability and Reactivity

**Possibility of Hazardous Reactions:**

Hazardous polymerisation will not occur.  
Product may polymerise upon depletion of inhibitor.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Metal powders, metal salts, amines, inert gases and oxidising agents.

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**Hazardous Decomposition Products:** Oxides of carbon and other toxic or irritating compounds.

## 11 Toxicological Information

**Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****79-10-7 Acrylic acid**

Oral	LD <sub>50</sub>	830 mg/kg (rat)
Inhalation	LC <sub>50</sub> /4 h	>5100 mg/m <sup>3</sup> (rat)

**80-15-9 α,α -dimethylbenzyl hydroperoxide, Cumene hydroperoxide**

Oral	LD <sub>50</sub>	382 mg/kg (rat)
Dermal	LD <sub>50</sub>	500 mg/kg (rat)
Inhalation	LC <sub>50</sub> /4 h	220 mg/l (rat)

**Acute Health Effects****Inhalation:** Harmful if inhaled. May cause respiratory irritation.**Skin:** Causes severe skin burns.**Eye:** Causes serious eye damage.**Ingestion:** May cause burns to the mouth, throat and stomach.**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Acrylic acid is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Prolonged inhalation may cause irritation.

Prolonged or repeated skin contact may cause an allergic skin reaction.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:** Toxic to aquatic life with long lasting effects.**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.

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**Other adverse effects:** No further relevant information available.

### 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 Transport Information

**UN Number** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

### 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

25852-47-5	Poly(oxy-1,2-ethanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]-
67762-90-7	Siloxanes and silicones, dimethyl, reaction products with silica
79-10-7	Acrylic acid
80-15-9	$\alpha,\alpha$ -dimethylbenzyl hydroperoxide, Cumene hydroperoxide

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not Scheduled.

### 16 Other Information

**Date of Preparation or Last Revision:** 31.07.2017**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 3: Flammable liquids – Category 3

Flammable Liquids 4: Flammable liquids – Category 4

Organic Peroxides E: Organic peroxides, Type E/F

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Acute Toxicity (Inhalation) 3: Acute toxicity – Category 3

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

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**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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