



# Safety Data Sheet

according to WHS Regulations

Printing date 08.12.2020

Revision: 08.12.2020

## 1 Identification

**Product Name: DYNAGRIP HIGH TEMPERATURE PIPE SEALANT 50ml - 50567**

**Recommended Use of the Chemical and Restriction on Use:** Pipe sealant.

**Details of Manufacturer or Importer:**

AFC International PTY LTD  
21-23 Hobart St,  
Riverstone NSW, 2765

**Phone Number:** 02 9627 7125

**Emergency telephone number:** 13 11 26 (Poisons Information Centre)

## 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)



skull and crossbones

Acute Toxicity (Inhalation) 3

H331 Toxic if inhaled.



health hazard

Germ Cell Mutagenicity 2

H341 Suspected of causing genetic defects.

Carcinogenicity 1B

H350 May cause cancer.

STOT SE 2

H371 May cause damage to organs.

STOT RE 2

H373 May cause damage to organs through prolonged or repeated exposure.



corrosion

Skin Corrosion/Irritation 1B

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.

Flammable Liquids 4

H227 Combustible liquid.

**Signal Word** Danger

**Hazard Statements**

H227 Combustible liquid.

H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H371 May cause damage to organs.

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H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

|                |  |
|----------------|--|
| P201           | Obtain special instructions before use.  |
| P202           | Do not handle until all safety precautions have been read and understood.  |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P260           | Do not breathe dusts or mists.   |
| P264           | Wash thoroughly after handling.  |
| P270           | Do not eat, drink or smoke when using this product.  |
| 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/hearing protection.                                    |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.   |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P321           | Specific treatment (see on this label).  |
| P314           | Get medical advice/attention if you feel unwell.   |
| P363           | Wash contaminated clothing before reuse.   |
| P370+P378      | In case of fire: Use to extinguish: CO <sub>2</sub> , powder or water spray.   |
| 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:**

|                  |   |          |
|------------------|---|----------|
| CAS: 25852-47-5  | Polyglycol dimethacrylate<br>⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2, H319; STOT SE 3, H335  | 15 - 40% |
| CAS: 18268-70-7  | Polyglycol dioctanoate  | 15 - 30% |
| CAS: 13463-67-7  | Titanium oxide (TiO <sub>2</sub> )  | 1 - 5%   |
| CAS: 80-15-9     | 2-hydroperoxy-2-phenylpropane<br>⚠ Self-react. E, H242; Organic Peroxides E, H242; ⚠ Acute Toxicity (Inhalation) 2, H330; ⚠ Germ Cell Mutagenicity 2, H341; STOT RE 1, H372; ⚠ 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; STOT SE 3, H335; Flammable Liquids 4, H227 | 1 - 5%   |
| CAS: 81-07-2     | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide  | 1 - 5%   |
| CAS: 112945-52-5 | Silica, amorphous, fumed, crystalline free  | 1 - 5%   |
| CAS: 67-56-1     | Methanol<br>⚠ Flammable Liquids 2, H225; ⚠ Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; ⚠ STOT SE 1, H370   | 0.1 - 1% |

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

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|               |  |          |
|---------------|--|----------|
| CAS: 98-82-8  | Cumene<br> Flammable Liquids 3, H226;  Carcinogenicity 1B, H350; Aspiration Hazard 1, H304;  Aquatic Chronic 2, H411;  STOT SE 3, H335 | 0.1 - 1% |
| CAS: 613-48-9 | Benzenamine, N,N-diethyl-4-methyl-<br> Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319   | 0.1 - 1% |

**Additional information:**

Additional trade secret ingredients include Polyester Resin (15 - 40%), Fluoropolymer (3 - 7%), Unsaturated polyester (0.5 - 2.5%), and Optical brightener (0.1 - 1%).

### 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 immediate medical attention.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

**Ingestion:**

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

**Symptoms Caused by Exposure:**

Inhalation: Toxic if inhaled. May cause an allergic respiratory reaction.

Skin Contact: Causes severe skin burns. Prolonged exposure may result in dermatitis in sensitive individuals.

Eye Contact: Causes serious eye damage.

Ingestion: May be harmful if swallowed. May cause blindness, liver and kidney damage.

**Medical Attention and Special Treatment:** Treat symptomatically. Effects may be delayed.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, or water spray.

**Specific Hazards Arising from the Chemical:**

Hazardous decomposition products includes various irritating organic vapours, such as carbonyl fluorides, formaldehyde, carbon monoxide, carbon dioxide, hydrogen fluoride, oxides of nitrogen and sulphur and perfluoroisobutene.

Product is combustible. Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Do not allow run-off from firefighting to enter drains or water courses.

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

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.

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**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:**

In the event of a small spill, flood area with water and absorb with sand, earth, vermiculite or some other inert absorbent material. Sweep or scrape residual debris and dispose of as dry waste. Collect and dispose of contaminated water according to the relevant regulations.

Large spillages should be immediately cleaned up with the relevant personal protection equipment. Stop leak if safe to do so and flood area with water to polymerise (cure) and absorb the residual solution with sand, earth, vermiculite or some other inert absorbent material. Sweep or scrape up debris and place into a suitable container for disposal as dry waste. Do not allow contaminated water entry into drains or waterways.

## 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.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area out of direct sunlight. Store below 43°C. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents and reducing agents. Regularly check containers for leaks.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 67-56-1 Methanol**

|     |                                       |
|-----|---------------------------------------|
| WES | STEL: 328 mg/m <sup>3</sup> , 250 ppm |
|     | TWA: 262 mg/m <sup>3</sup> , 200 ppm  |

**CAS: 98-82-8 Cumene**

|     |                                      |
|-----|--------------------------------------|
| WES | STEL: 375 mg/m <sup>3</sup> , 75 ppm |
|     | TWA: 125 mg/m <sup>3</sup> , 25 ppm  |

**Engineering Controls:**

Provide local exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards. Mechanical exhaust ventilation can be used as a backup.

**Respiratory Protection:**

Use an approved organic 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:**

Chemical resistant gloves such as polyethylene or polypropylene. Do not use rubber or cotton 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 such as polyethylene/polypropylene coats or aprons. Do not use rubber or cotton protective clothing. See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Approved safety glasses or chemical goggles with side shields. See Australian Standards AS/NZS 1336 and 1337 for more information.

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## 9 Physical and Chemical Properties

|   |  |
|---|--|
| <b>Appearance:</b>                              |  |
| <b>Form:</b>                                    | Paste (May be liquid at warm temperatures) |
| <b>Colour:</b>                                  | White                                      |
| <b>Odour:</b>                                   | Mild 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>                             | 85 - 95 °C (TCC)                           |
| <b>Flammability:</b>                            | Combustible                                |
| <b>Ignition Temperature</b>                     | No information available                   |
| <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>                         | No information available                   |
| <b>Density:</b>                                 | No information available                   |
| <b>Relative Density:</b>                        | 1.12 (Water = 1)                           |
| <b>Vapour Density at 27 °C:</b>                 | < 0.2 mm (Air = 1)                         |
| <b>Evaporation Rate:</b>                        | Not applicable                             |
| <b>Solubility in Water:</b>                     | Insoluble                                  |
| <b>Partition Coefficient (n-octanol/water):</b> | No information available                   |
| <b>Viscosity:</b>                               | No information available                   |
| <b>Solvent separation test:</b>                 | No information available                   |
| <b>VOC:</b>                                     | ~3%  |

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation may occur.

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:**

Heat, sparks, open flames, hot surfaces and direct sunlight. Avoid subjecting product to temperatures in excess of 65.5 °C.

**Incompatible Materials:** Incompatible with bases, strong oxidising agents and reducing agents.

**Hazardous Decomposition Products:**

Hazardous decomposition products includes various irritating organic vapours, such as carbonyl fluorides, formaldehyde, carbon monoxide, carbon dioxide, hydrogen fluoride, oxides of nitrogen and sulphur and perfluoroisobutene.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values Relevant for Classification:**

**CAS: 80-15-9 2-hydroperoxy-2-phenylpropane**

|        |      |                 |
|--------|------|-----------------|
| Oral   | LD50 | 382 mg/kg (rat) |
| Dermal | LD50 | 500 mg/kg (rat) |

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|                              |          |                       |
|------------------------------|----------|-----------------------|
| Inhalation                   | LC50/4 h | 220 mg/l (rat)        |
| <b>CAS: 67-56-1 Methanol</b> |          |                       |
| Oral                         | LD50     | 5,628 mg/kg (rat)     |
| Dermal                       | LD50     | 15,800 mg/kg (rabbit) |
| Inhalation                   | LC50/4 h | 83.8 mg/l (rat)       |
| <b>CAS: 98-82-8 Cumene</b>   |          |                       |
| Oral                         | LD50     | 1,400 mg/kg (rat)     |
| Dermal                       | LD50     | 12,300 mg/kg (rabbit) |
| Inhalation                   | LC50/4 h | 24.7 mg/l (mouse)     |

**Acute Health Effects****Inhalation:** Toxic if inhaled. May cause an allergic respiratory reaction.**Skin:** Causes severe skin burns. Prolonged exposure may result in dermatitis in sensitive individuals.**Eye:** Causes serious eye damage.**Ingestion:** May be harmful if swallowed. May cause blindness, liver, and kidney damage.**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:** Suspected of causing genetic defects.**Carcinogenicity:**

May cause cancer.

Titanium Dioxide and Cumene are classified by IARC as Group 2B - Possibly carcinogenic to humans.

Saccharin and its salts are 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 damage to organs.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

May cause damage to organs through prolonged or repeated exposure.

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

Prolonged skin contact may result in dermatitis in sensitive individuals. May cause damage to organs through prolonged or repeated exposure.

**Existing Conditions Aggravated by Exposure:** No further relevant information available.**12 Ecological Information****Ecotoxicity:****Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

**CAS: 80-15-9 2-hydroperoxy-2-phenylpropane**

|           |                          |
|-----------|--------------------------|
| EC50/24 h | 7 mg/l (daphnia)         |
| EC50/72 h | 3.1 mg/l (algae)         |
| LC50/96 h | 3.9 mg/l (rainbow trout) |
| LC50/48 h | 18 mg/l (daphnia)        |

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|                              |   |
|------------------------------|---|
| <b>CAS: 67-56-1 Methanol</b> |   |
| LC50/96 h                    | 13,500-17,600 ppm (Iepomis macrochirus) |
|                              | 19,500-20,700 ppm (rainbow trout)       |
| LC50/96 h                    | 28,200 mg/l (fathead minnow)            |

**Persistence and Degradability:** No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

**Disposal Methods and Containers:**

Dispose of contents/container in accordance with applicable local and state government regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system or waterways.

**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 Industrial Chemicals:**

All ingredients are listed.

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

Poisons Schedule: 5

**Australia: Priority Existing Chemicals**

None of the ingredients is listed.

## 16 Other Information

**Date of Preparation or Last Revision:** 08.12.2020**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)

VOC: Volatile Organic Compounds

LC50: Lethal concentration, 50 percent

LD50: 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 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Flammable Liquids 4: Flammable liquids – Category 4

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Self-react. E: Self-reactive substances and mixtures, Type E/F  
Organic Peroxides E: Organic peroxides, Type E/F  
Acute Toxicity (Oral) 3: Acute toxicity - oral – Category 3  
Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4  
Acute Toxicity (Inhalation) 2: Acute toxicity - inhalation – Category 2  
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 2: Serious eye damage/eye irritation – Category 2  
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A  
Germ Cell Mutagenicity 2: Germ cell mutagenicity – Category 2  
Carcinogenicity 1B: Carcinogenicity – Category 1B  
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1  
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Aspiration Hazard 1: Aspiration hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

**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 - May 2018”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Dynagrip makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.