



Safety Data Sheet

according to WHS Regulations

Printing date 08.12.2020

Revision: 08.12.2024

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: CO2, 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 ⚠ 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 ₂)	1 - 5%
CAS: 80-15-9	2-hydroperoxy-2-phenylpropane ⚠ 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 ⚠ 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  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-  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 ³ , 250 ppm
	TWA: 262 mg/m ³ , 200 ppm

CAS: 98-82-8 Cumene

WES	STEL: 375 mg/m ³ , 75 ppm
	TWA: 125 mg/m ³ , 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

Appearance:	
Form:	Paste (May be liquid at warm temperatures)
Colour:	White
Odour:	Mild odour
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	>149 °C
Flash Point:	85 - 95 °C (TCC)
Flammability:	Combustible
Ignition Temperature	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available
Relative Density:	1.12 (Water = 1)
Vapour Density at 27 °C:	< 0.2 mm (Air = 1)
Evaporation Rate:	Not applicable
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
Solvent separation test:	No information available
VOC:	~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)
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Dermal	LD50	500 mg/kg (rat)
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Inhalation	LC50/4 h	220 mg/l (rat)
CAS: 67-56-1 Methanol		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
Inhalation	LC50/4 h	83.8 mg/l (rat)
CAS: 98-82-8 Cumene		
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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CAS: 67-56-1 Methanol	
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: 08.12.2024**Prepared by:** MSDS.COM.AU Pty Ltdwww.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”

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