

Code	Description	Size	Colour
20300	FixAll HG MS Adhesive	80ml	White
20301	FixAll HG MS Adhesive	465gr	Black
20302	FixAll HG MS Adhesive	465gr	Grey
20303	FixAll HG MS Adhesive	465gr	White
20304	FixAll HG MS Adhesive	465gr	Bronze

Recommended use:	Sealant and adhesive
HSNO group standard:	HSR002545
UN number, shipping name and packaging group:	Not required.
Supplier contact details:	Holdfast NZ Ltd
	14 Avalon Drive
	Nawton
	Hamilton 3200
	New Zealand
	Freephone: 0800 70 10 80
	Phone: (07) 847 5540
	Fax: (07) 847 0324
	Email: <a href="mailto:sales@holdfast.co.nz">sales@holdfast.co.nz</a>
	Website: <a href="http://www.holdfast.co.nz">www.holdfast.co.nz</a>
<b>POISON CENTRE NUMBER: 0800 764 766 (24 hours)</b>	

## 2. Hazards Identification

### 2.1 Hazardous Substances and New Organisms (HSNO) classification:

Classification	CAS No.
6.7B	Substances that are suspected human carcinogens

### 2.2 Symbols:

WARNING



### 2.3 Precautionary Statements:

Keep out of reach of children.  
 Read label before use.  
 Do not handle until all safety precautions have been read and understood.  
 Use personal protective equipment as required.

## 3. Composition/Information on Ingredients

### 3.1 Information on the ingredients used in the substance:

Ingredient	CAS No.	Individual HSNO classification	Concentration (%)
Distillates (petroleum), hydrotreated middle	64742-46-7	6.7B, 6.1E (aspiration), 6.3B	1<-<10
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	6.4A, 9.1B (fish, crustacean, algal)	0.1<-<2.5

## 4. First Aid Measures

- 4.1 Skin contact:**  
IF exposed or concerned: get medical advice/attention.
- 4.2 Eye contact:**  
Rinse with water. Take victim to an ophthalmologist if irritation persists.
- 4.3 Inhalation:**  
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
- 4.4 Ingestion:**  
Rinse mouth with water. Consult a doctor/medical service if you feel unwell.
- 4.5 Advice for physicians:**  
Distillates (petroleum), hydrotreated middle (0.1<-<2.5% of final product) is a suspected human carcinogen.

## 5. Fire-Fighting Measures

- 5.1 Extinguishing media:**  
In case of fire – use water spray, polyvalent foam, ABC powder, carbon dioxide.
- 5.2 Special hazards due to combustion:**  
Combustion of this product may lead to the release of carbon monoxide, carbon dioxide and small quantities of nitrous vapours, hydrogen chloride and sulphur oxides.
- 5.3 Advice for fire-fighters:**  
No data.
- 5.4 Hazchem code:**  
No data.

## 6. Accidental Release Measures

- 6.1 Personal precautions:**  
Wear protective equipment to prevent contact through skin, eyes and lungs.
- 6.2 Environmental precautions:**  
Use appropriate containment to avoid environmental contamination.
- 6.3 Methods for cleaning up:**  
Scoop solid spill into closing containers. Clean contaminated surfaces with a soap solution. Wash clothing and equipment after handling.
- 6.4 Disposal:**  
No data, product is generally considered safe for regular disposal, limit accidental exposure.

## 7. Handling and Storage

- 7.1 Handling:**  
Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately.
- 7.2 Storage:**  
Store locked up. Storage temperature: 20 °C. Store in a dry area. Keep container in a well-ventilated place. Keep away from heat sources. Maximum storage time is 1 year.

## 8. Exposure Controls/Personal Protection

### 8.1 Exposure limits:

CAS no.	Substance or ingredient	WES-TWA	WES-STEL
64742-46-7	Distillates (petroleum), hydrotreated middle	No data.	No data.
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	No data	No data

## 8.2 Engineering Controls:

Keep away from naked flames

## 8.3 Exposure controls:

Control	Protective measure
Eye	Wear safety glasses.
Respiratory	Wear respiratory protection when using in enclosed spaces.
Skin	Wear protective clothing and gloves.

## 9. Physical and Chemical Properties

### 9.1 General substance properties:

Property	Details
Appearance	Paste (black, grey, white or bronze)
Odour	Characteristic odour
pH	No data.
Vapour pressure	No data.
Viscosity	No data.
Boiling Point	No data.
Volatile materials	10g/litre (See note below)
Freezing/melting point	No data.
Solubility	Soluble in organic solvents
Specific gravity/density	No data.
Flash point	>240oC
Danger of explosion	No data.
Auto-ignition temperature	No data.
Upper and lower flammability limits	No data.
Corrosiveness	No data.

Note: Fixall HG conforms to the requirements of LEED – low emitting materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED® 2009 4.1: Low Emitting Materials – Adhesives and Sealants concerning the VOC content.

## 10. Stability and Reactivity

### 10.1 Stability:

Stable under normal conditions.

### 10.2 Conditions to avoid:

Keep away from naked flames/heat.

### 10.3 Incompatible materials to avoid:

Water/moisture

### 10.4 Hazardous decomposition products:

Upon combustion: formation of CO, CO<sub>2</sub> and small quantities of nitrous vapours, hydrogen chloride, sulphur oxides.

## 11. Toxicological Information

### 11.1 Summary of Toxicity

Final product is considered non-toxic to humans (NOTE: use only as recommended).

### 11.2 Acute toxicity:

Test	Data and symptoms of exposure
Oral	Do not eat. May result in gastrointestinal irritation.
Dermal	No data.
Inhaled	No data.
Eye	No data.
Skin	No data.

### 11.3 Chronic toxicity:

Test	Data and symptoms of exposure
Sensitisation	No data.
Mutagenicity	No data.
Carcinogenicity	Final product contains 1<-<10% distillates (petroleum), hydrotreated middle which is a suspected carcinogen.
Reproductive/developmental	No data.
Systemic/targeted organs	No data.

## 12. Ecological Information

### 12.1 Ecological properties

Ecology	Ecological data
Aquatic ecotoxicity	No data.
Soil ecotoxicity	No data.
Terrestrial vertebrate	No data.
Terrestrial invertebrate	No data.
Mobility	No data.
Degradability	No data.

## 13. Disposal Considerations

### 13.1 Disposal methods:

This product may be treated by burning in an incineration facility. Burning must be managed to the performance requirements of regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. This product may also be disposed of in a landfill provided this product is kept separated from contact with explosives, oxidisers and ignition sources at all times. Further details can be provided by the local and regional authorities in regards to compliance with the Resource Management Act.

### 13.2 Disposal restrictions:

The burning operation must not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Disposal in a landfill may only be performed where this product is kept separated from contact with explosives, oxidisers and ignition sources at all times. Disposal in a landfill must also not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Were the substance to ignite, no person or place where a person may legally be, would be exposed to more blast overpressure or heat radiation than that described in regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Disposal of packaging must rendered it incapable of containing any substance and be disposed of in a manner that is consistent with that of

the substance it contained. Further details can be provided by the local and regional authorities in regards to compliance with the Resource Management Act.

### 13.3 Special precautions for disposal:

No data.

## 14. Transport Information

### 14.1 Dangerous goods transport information:

Identification	Details	Identification	Details
UN number	No data.	Proper shipping name	No data.
UN class	No data.	Subsidiary risk	No data.
UN packing group	No data.	Hazchem code	No data.

### 14.2 Transport provisions by land according to the Standard for the Transport of Dangerous Goods on Land (NZS 5433):

No data.

### 14.3 Transport provisions by sea according to the International Maritime Dangerous Goods (IMDG) code:

No data.

### 14.4 Transport provisions by air according to International Civil Aviation Organization (ICAO) Technical Instructions:

No data.

## 15. Regulatory Information

### 15.1 HSNO approval number and Group Standard:

HSR002545

### 15.2 Group Standard conditions and other regulations:

Condition	Requirement
MSDS	Safety data sheet must be available to a person handling the substance within 10 minutes.
Labelling	Never remove label or decant into other incompatible and incorrectly marked containers.
Emergency plan	Required when storing >1,000 kg.
Approved handler	Not required.
Tracking	Not required.
Bundling and secondary containment	Not required.
Signage	Not required.
Test certificate	Not required.
Flammable zone	Not required.
Fire extinguisher	Not required.

## 16. Other Information

### 16.1 Date of preparation or revision:

Revised 24th September 2014. Format updated.

### 16.2 Abbreviations:

Abbreviation	Description
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CAS number	Number assigned to chemical in the Chemical Abstracts Service registry
HAZCHEM code	Code used by fire-fighters to determine correct method of action in the case of fire
HSNO	Hazardous Substances and New Organisms (Act)
ICAO Technical Instructions	International Civil Aviation Organization Technical Instructions
IMDG code	International Maritime Dangerous Goods code controlled by the International Maritime Organization (IMO)
LC <sub>50</sub>	Lethal concentration 50% - concentration fatal to 50% of the tested population
LD <sub>50</sub>	Lethal dose 50% - dose fatal to 50% of the tested population
NZS 5433	New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)
SDS	Safety data sheet
STEL	Short term exposure limit
TWA	Time weighted average (typically measured as 8 hours)
UN number	United nations number
WES	Workplace exposure standard

### 16.3 References

Chemical properties and HSNO classifications derived from the New Zealand chemical classification information database (CCID). [www.epa.govt.nz](http://www.epa.govt.nz).

European Chemical Substances Information System (ESIS). <http://esis.jrc.ec.europa.eu/>

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