



# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 04.03.2016

Revision: 04.03.2016

## 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** DYNAGRIP DYNASTEEL PLASTIC REPAIR EPOXY 56gm - 16502, 6502**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Sealants and adhesives up to 260°C.**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. HAZARDS 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)



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



|                 |                                           |
|-----------------|-------------------------------------------|
| Skin Irrit. 2   | H315 Causes skin irritation.              |
| Eye Irrit. 2A   | H319 Causes serious eye irritation.       |
| Skin Sens. 1    | H317 May cause an allergic skin reaction. |
| Aquatic Acute 2 | H401 Toxic to aquatic life.               |

**Signal Word** Warning**Hazard Statements**H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.**Precautionary Statements**

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.                                                                                |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P273           | Avoid release to the environment.                                                                                                |
| P264           | Wash hands thoroughly after handling.                                                                                            |
| P272           | Contaminated work clothing should not be allowed out of the workplace.                                                           |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321           | Specific treatment (see on this label).                                                                                          |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                        |
| P302+P352      | IF ON SKIN: Wash with plenty of water.                                                                                           |
| P391           | Collect spillage.                                                                                                                |

(Contd. on page 2)

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(Contd. of page 1)

P362+P364  
P501

Take off contaminated clothing and wash it before reuse.

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:

|            |                                                                                                                                                                                                         |        |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 14807-96-6 | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )                                                                                                                                 | 55-75% |
| 25085-99-8 | Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer<br>⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317 | 8-16%  |
| 13463-67-7 | Titanium oxide (TiO <sub>2</sub> )                                                                                                                                                                      | 0-8%   |
| 28064-14-4 | Phenol, polymer with formaldehyde, glycidyl ether<br>⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Aquatic Acute 2, H401                                   | 2-4%   |
| 90-72-2    | 2,4,6-tris(dimethylaminomethyl)phenol<br>⚠ Acute Tox. (Oral) 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319                                                                                          | 1-4%   |

## 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, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms persist.

### 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:

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, dry chemical or carbon dioxide.

### Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, nitrogen and sulfur.

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

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

(Contd. on page 3)

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(Contd. of page 2)

## 6 . ACCIDENTAL RELEASE MEASURES

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

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust. Do not touch or walk through spilt material.

### 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:

Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a closed, labeled waste container. Do not dry sweep. Cured product is considered non-hazardous.

## 7 . HANDLING AND STORAGE

### Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. 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. Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing and other protective equipment before storage or re-use. 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. Protect from direct sunlight. Do not store above 30 °C. Keep in original container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

#### 14807-96-6 Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)

NES TWA: 2.5 mg/m<sup>3</sup>

#### 13463-67-7 Titanium oxide (TiO<sub>2</sub>)

NES TWA: 10 mg/m<sup>3</sup>

#### 14808-60-7 Quartz (SiO<sub>2</sub>)

NES TWA: 0.1 mg/m<sup>3</sup>  
respirable dust

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

### Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

### Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl 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

(Contd. on page 4)

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Revision: 04.03.2016

**Product Name: DYNAGRIP DYNASTEEL PLASTIC REPAIR EPOXY 56gm - 16502, 6502**

(Contd. of page 3)

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 dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

**Form:** Solid, semi-rigid caulk-like material

**Colour:** Various colours

**Odour:** Slightly pungent

**Odour Threshold:** No information available

**pH-Value:** Not applicable.

**Melting point/Melting range:** No information available

**Initial Boiling Point/Boiling Range:** No information available

**Flash Point:** Not applicable

**Flammability:** 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:** Not determined

**Relative Density:** 1.7

**Vapour Density:** Not determined

**Evaporation Rate:** Not applicable

**Solubility in Water:** Insoluble

**Partition Coefficient (n-octanol/water):** No information available

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

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

**Conditions to Avoid:** No further relevant information available.

**Incompatible Materials:** No further relevant information available.

**Hazardous Decomposition Products:** Oxides of carbon, nitrogen and sulfur.

## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

#### LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

#### 13463-67-7 Titanium oxide (TiO<sub>2</sub>)

|            |                       |                       |
|------------|-----------------------|-----------------------|
| Oral       | LD <sub>50</sub>      | >20000 mg/kg (rat)    |
| Dermal     | LD <sub>50</sub>      | >10000 mg/kg (rabbit) |
| Inhalation | LC <sub>50</sub> /4 h | >6.82 mg/l (rat)      |

### Acute Health Effects

#### Inhalation:

No information available

Exposure to decomposition products may cause a health hazard.

(Contd. on page 5)

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(Contd. of page 4)

**Skin:**

Causes skin irritation. May cause an allergic skin reaction or rash. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Eye:** Causes serious eye irritation.

**Ingestion:** No information available

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:**

Titanium dioxide is classified by IARC as Group 2B - Possibly carcinogenic to humans.

Talc not containing asbestos or asbestiform fibres 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:**

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

**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:** No information available

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

**12 . ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available

**Aquatic toxicity:**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

**Other adverse effects:** No 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****ADG**

Not regulated

**IMDG**

UN3077

**Proper Shipping Name****ADG**

Not regulated

(Contd. on page 6)



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(Contd. of page 5)

**IMDG**ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S.**Dangerous Goods Class****ADG Class:****IMDG Class:**

Not regulated

9 Miscellaneous dangerous substances and articles.

**Packing Group:****ADG****IMDG**

Not regulated

III

**EMS Number:**

F-A,S-F

**Hazchem Code:**

2Z

**Special Provisions:**

179, 274, 331, 335, AU01

**Limited Quantities:**

5 kg

**Packagings & IBCs - Packing Instruction:**

P002, IBC08, LP02

**Packagings & IBCs - Special Packing Provisions:** PP12, B3**Portable Tanks & Bulk Containers - Instructions:** T1, BK2**Portable Tanks & Bulk Containers - Special Provisions:**

TP33

**15 . REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| 14807-96-6 | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )             |
| 25085-99-8 | Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer |
| 13463-67-7 | Titanium oxide (TiO <sub>2</sub> )                                                  |
| 28064-14-4 | Phenol, polymer with formaldehyde, glycidyl ether                                   |
| 90-72-2    | 2,4,6-tris(dimethylaminomethyl)phenol                                               |

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

Not Scheduled.

**16 . OTHER INFORMATION****Date of Preparation or Last Revision:** 04.03.2016**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

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)

Acute Tox. (Oral) 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Skin Sens. 1: Skin sensitisation, Hazard Category 1

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

(Contd. on page 7)

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(Contd. of page 6)

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). 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 - December 2011"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. AFC International Pty Ltd 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.