



# 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 EXTREME HI TEMP COLD WELD 45gm - 16045, 16445k

**Other Means of Identification:** Mixture

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

High temperature metal repair. Welds cracks and holes in iron and steel. Cold welds up to 1316 °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)



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

**Signal Word** Warning

**Hazard Statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary Statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P264 Wash hands thoroughly after handling.

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

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).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation 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.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

(Contd. on page 2)

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 04.03.2016

Revision: 04.03.2016

Product Name: DYNAGRIP EXTREME HI TEMP COLD WELD 45gm - 16045, 16445k

(Contd. of page 1)

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

### Chemical Characterization: Mixtures

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

### Hazardous Components:

1344-09-8	Silicic acid, sodium salt ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	40-60%
13983-17-0	Wollastonite ⚠ Eye Irrit. 2A, H319; STOT SE 3, H335	>5%

## 4 . FIRST AID MEASURES

### Inhalation:

If symptoms occur, 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 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 medical attention.

### Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:** Product is not combustible.

### 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 self-contained breathing apparatus, solvent resistant gloves, protective clothing, apron and boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

### 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:

Slippery when spilt. Clean up immediately. Stop leak if safe to do so and scrape or wipe up spilt material and place in containers for subsequent disposal. Provide adequate ventilation.

(Contd. on page 3)

# SAFETY DATA SHEET

## According to Safe Work Australia

Printing date 04.03.2016

Revision: 04.03.2016

Product Name: DYNAGRIP EXTREME HI TEMP COLD WELD 45gm - 16045, 16445k

(Contd. of page 2)

### 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 or vapours. 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. 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 in original container tightly closed when not in use. Protect from direct sunlight.

### 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

#### Respiratory Protection:

Respiratory protection is not required under normal use conditions. 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 polyethylene 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.

### 9 . PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance:

<b>Form:</b>	Putty
<b>Colour:</b>	Dark blue
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/Melting range:</b>	1482 °C
<b>Initial Boiling Point/Boiling Range:</b>	101 °C
<b>Flash Point:</b>	Not determined
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available

(Contd. on page 4)

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 04.03.2016

Revision: 04.03.2016

Product Name: DYNAGRIP EXTREME HI TEMP COLD WELD 45gm - 16045, 16445k

(Contd. of page 3)

<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	Not determined
<b>Relative Density:</b>	1.50
<b>Vapour Density:</b>	Not determined
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Negligible
<b>Partition Coefficient (n-octanol/water):</b>	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:** Direct sunlight.

**Incompatible Materials:** No information available

**Hazardous Decomposition Products:** No information available

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

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

**7439-89-6 iron**

Oral LD<sub>50</sub> 30 g/kg (rat)

**1344-09-8 Silicic acid, sodium salt**

Oral LD<sub>50</sub> 1153 mg/kg (rat)

### Acute Health Effects

**Inhalation:** May cause respiratory irritation.

**Skin:** Causes skin irritation.

**Eye:** Causes serious eye irritation.

**Ingestion:** Ingestion is not considered a potential route of exposure.

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

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

**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:** This product does NOT contain any IARC listed chemicals.

**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:** No information available

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

(Contd. on page 5)

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 04.03.2016

Revision: 04.03.2016

Product Name: DYNAGRIP EXTREME HI TEMP COLD WELD 45gm - 16045, 16445k

(Contd. of page 4)

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available  
**Aquatic toxicity:** No information available  
**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** Not regulated  
**Proper Shipping Name** Not regulated  
**Dangerous Goods Class** Not regulated  
**Packing Group:** Not regulated

## 15 . REGULATORY INFORMATION

### Australian Inventory of Chemical Substances:

7439-89-6	iron
1344-09-8	Silicic acid, sodium salt
13983-17-0	Wollastonite

**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](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 percent  
 LD<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)  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

(Contd. on page 6)

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 04.03.2016

Revision: 04.03.2016

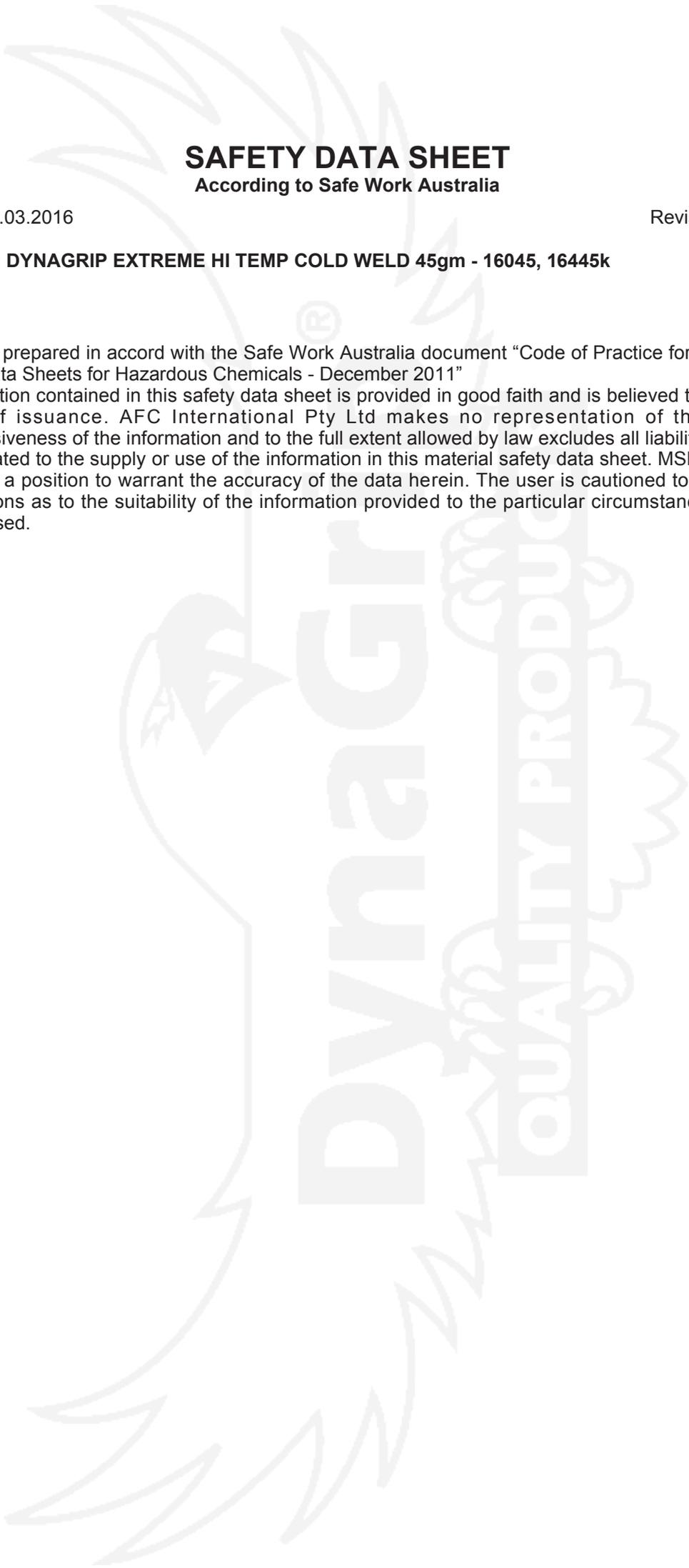
**Product Name: DYNAGRIP EXTREME HI TEMP COLD WELD 45gm - 16045, 16445k**

(Contd. of page 5)

**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.



DYNAGRIP  
QUALITY PRODUCTS